

Lesson 2

» **Networks:** They are groups of devices or things that are connected to each other for a common purpose.

» **Types of networks:**

1. **Wired networks:** They use cables that are plugged into ports.
2. **Wireless networks:** They connect devices without wiring using Wi-Fi.

» **Network devices:**

1. MODEM:

- a. Connects a local area network (LAN) to the internet.
- b. Converts (transforms) the signal from the ISP into a digital signal.
- c. Connects users to the internet

2. SWITCHES:

- They send data to a specific device over a network, so it makes connections easier and faster.
- Switches are intelligent devices.



» **Artificial Intelligence (AI):**

- A comprehensive term for computer applications that perform complex tasks that simulate the thinking and performance of the human element.
- AI also works to imitate sounds when provided with the tone of voice of an actual human being.

» **Examples:**

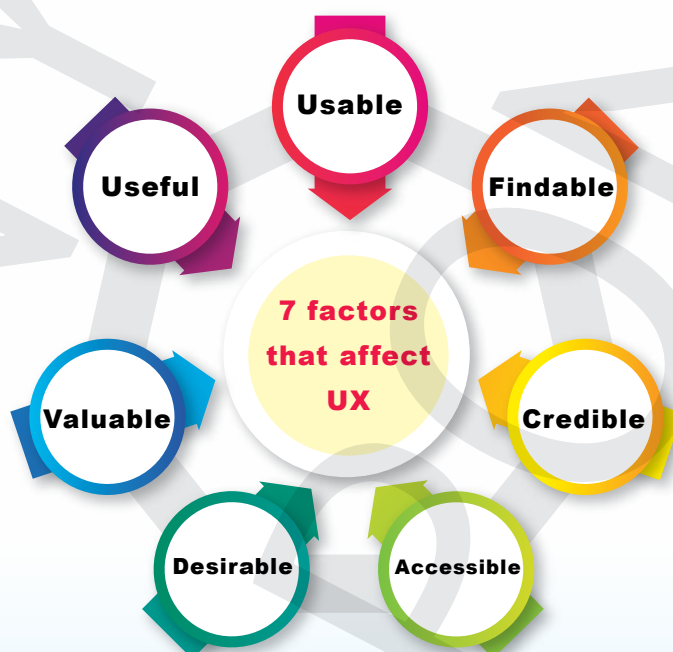
- Writing an article on a topic.
- Inquiring about historical events and their sequence.

Lesson 3

- » **Virtual reality:** It is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
- » To experience VR, users wear a **VR headset** that blocks out the real world and immerse the user in another world.
- » **Examples on VR:**
 1. It can take you to a museum thousands of miles away or to a historical site.
 2. In classrooms, VR allows close study of enlarged insects and atoms.
- » **Augmented reality (AR):** It combines **the real world** with **a virtual world** by adding images using computers.
 - It shows a 3-D model of what the real world looks like.
 - AR helps students become active participants in learning and makes learning more memorable.
- » **Examples on AR:**
 1. In math class, students can project 3-D images like cubes or cylinders onto a flat surface using their smartphones
 2. Visually impaired people can use AR to see their family members up close.
- » **Artificial intelligence (AI):** It is the ability of a computer, to think, learn, and deduce.
 - Computer learns by analyzing the available examples.
- » **Example on AI:**
 - It predicts the word you will write from words you have written previously.
 - AI is used to unlock your phone with **facial recognition**.
 - Disabled individuals can use **virtual assistants** powered by AI to accomplish everyday tasks, such as making phone calls and navigating their computer.

Lesson 4

- » **Cutting-edge technology:** Is the latest and most advanced version of a service or product.
 - AI, AR, and VR are Cutting-edge technologies.
- » **Assistive technology** helps people of determination.
- » **Examples of Assistive technology:**
 1. Screen magnification software.
 2. Hearing aids
 3. Programs that turns speech-to-text and text-to-speech.
- » **Smartgloves:** They empower deaf people to translate their signs in real time to spoken or text output.
- » **User experiences:** It is how to use the product, interact with it, and evaluate their experiences.
 - It can be positive or negative.
- » **User experience** is interlinked with the development of products and services.
- » The goal of cutting-edge assistive technology is to improve someone's independence and to be included in society.



Lesson 5

- » Copy, paste, and cut are some of the most commonly used word processing commands
- » **Search engines** help people search Internet websites based on the **keywords** and **phrases**.
- » They are **user-friendly**, **very fast**, and often **give many results**.
- » **Databases**: They are **collections of information** which are typically stored in a computer system and can be accessed for **free** through a school.
- » **A database** is a good place to search for information from **journals**, **newspapers**, and **reference books**.
- » **EKB** is an example of a general database, the results will be credible and accurate.
- » **Library catalog**: It is a **database** which includes all the items owned by a library. **such as**, the catalog of the Library of Alexandria.
- » When you search any database:
 - 1 Use a **keyword** search.
 - 2 Review the results.
 - 3 You can limit a search by using fields like author, journal title and dates.

Lesson 7

- » **Operating system (OS)**: It is the software that manages a computer's functions, such as **memory**, **drives**, **printers**, and **other devices**.
- » OS manages **accessible devices**, such as screen readers and magnifiers.
- » OS runs a computer's **software** and **hardware**.
- » OS acts as a **translator**; it translates user communication to computer languages.
- » Most computers come pre-loaded with an operating system.

» Computer operating systems:

Microsoft Windows	MacOS
<ul style="list-style-type: none"> On most computers worldwide. 	<ul style="list-style-type: none"> It runs on Apple computers.

» Mobile operating systems:

Android	Apple iOS
<ul style="list-style-type: none"> Used on open-source software. 	<ul style="list-style-type: none"> Used on the iPhone and iPad. Closed-source operating system.

» **Open-source software:** means a person can change and read the programming code.

» **Closed-source software:** it can't be seen or changed by the public.

» Both Android and iOS perform the same basic functions, such as messaging, web access, video chat and touch function

» Cutting-edge operating systems:

1 The Robot Operating System (ROS): is an **open-source** software for building robot applications.

2 Operating systems powering self-driving cars

» **Programming languages:** Instructions to a computer are given in **codes**.

» Programming languages have evolved from **simple machine language** (binary) to **high-level** human-like languages.

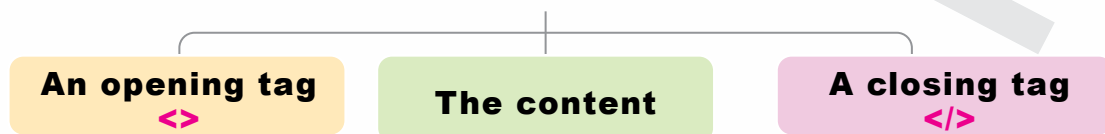
» Programming languages are usually **open-source**.

» HTML is used to create website.

» HTML is easy to learn, to make change and **compatible** with all the major web browsers.

Lesson 8

- » Hyper Text Markup Language (**HTML**) is the standard programming language used to **create web pages (websites)**.
- » HTML consists of a series of elements, such as **headings, paragraphs, links, and images**.
- » Web browsers read **HTML** documents and display the content according to the **HTML tag**.
- » **HTML tags** have **three** main parts:



- » Some examples for HTML tags:

Element	HTML Tag
Largest Heading	<h1> Largest heading </h1>
Subheading	<h2> Subheading </h2>
Smallest Heading	<h6> Smaller Subheading </h6>
Paragraph	<p> This is a paragraph </p>
Font Size	
Font Color	
Hyperlink	 Visit EKB

Italics	<code><i>Italics text</i></code>
Bold	<code>Bold text </code>
Image	<code></code>

- » HTML elements **break up** web pages to make them easier to scan and read.
- » **HTML code** helps **people with low vision** to distinguish between parts of a web page.
- » **Images** and **large headings** at the top of the page catches the attention.
- » **Subheadings** make the text easy to scan and read.
- » **Text** broken up into **paragraphs** makes it easy for the reader to scan the information they want.
- » To make the images accessible, add **image** and **alt-text** tags.



Lesson 2

» Electronic Games Advantages:

- 1 Promoting Critical Thinking
- 2 Promoting Creative Thinking
- 3 Encouraging Teamwork

» Electronic Games Dangers:

1

Physical Dangers

2

Psychological Dangers

3

Security Dangers

1 Physical Dangers

» Electronic games affect your **sleep cycle**.

» It can cause:

- Eye strain
- Headaches
- Back problems
- Gaining weight



2 Psychological Dangers

» You may become **anxious and depressed** because:

- 1 You feel lonely in the real world.
- 2 You are being bullied online

» It makes some people **aggressive**, as some games promote **violence**.

» It can prevent some players from **thinking rationally**.

» It can **negatively** affect your relationship with your family and friends.



3 Security Dangers

- » Large gaming communities are filled with **cyberbullies**.
- » **Hackers** can cause your information to be leaked and **viruses** are easily spread.
- » Multiplayer games, in particular, can put your security at risk.



Responsible Gaming

» To limit the dangers of electronic games:

- 1 Only play games and chat with people you know and trust.
- 2 Respect the limits that your parents set to prevent unhealthy gaming habits.
- 3 Don't use personal information in your usernames and passwords.
- 4 Don't use a webcam.
- 5 Make sure that gaming does not replace real-life activities.
- 6 When you face dangers, tell your parents.

Lesson 3

- » It is **irresponsible** to leave your devices at risk by not taking proper safety precautions.
- » There are many ways to protect your devices, such as:

1 Passwords

- » Strong passwords are at least **8** characters and consist of:
 - 1 Letters
 - 2 Numbers
 - 3 Symbols (as @, #, %)

2 Multi-factor Authentication (MFA)

- » It requires at least **two ways** of identifying yourself.

3 Fingerprint Authentication

» It will scan your **finger**, usually the thumb to confirm it's you.

4 Facial Recognition

» It will scan your face using your device's **camera** to confirm it's you.

5 Full Disk Encryption

» It **scrambles** your information and is accessible only with a password on your device.

Data Protection Law

- » In 2020, Egypt formed the **Data Protection Law** to protect its citizens.
- » Companies must report immediately if they've been victims of data theft, and let their customers know immediately as well.
- » Companies and individuals should **report** data theft immediately.
- » If you think your data has been compromised, tell your parents or a trusted adult.
- » Tell your family and friends not to open attachments or click on links from your online accounts.



Lesson 4

» Tips for online safety:

- 1 Use **safe web browsers**.
- 2 Use **anti-virus**.
- 3 Keep your pages **private**.
- 4 Do not communicate with people you don't know.
- 5 Do not share your **personal information** online.
- 6 Use **strong passwords** and change them every **three** months.
- 7 Verify that the websites that you frequent are real, safe, and age-appropriate.
- 8 Verify the information you find to make sure it is **accurate**.



Types of Cyber Security Threats

1 Malware

- » Malware is the **greatest** cyber security threat.
- » Scareware is a type of **malware** that pretends to be a **virus alert**.
- » Scareware tells you to **click** on the link to help remove it, but the link is **a virus**.
- » Using unsecured Wi-Fi can expose you to malware threats.



2 Spoofing

- » Cyber criminals pretend to be a business or a known person.
- » If you click on unsafe links:
 - 1 Viruses will be installed on your devices.
 - 2 Your money will be stolen.
 - 3 Your information will be compromised.



How to Deal with Cyber Security Threats

» Stay calm, but take **swift** action:


- ❶ Inform your contacts.
- ❷ Report the threat.
- ❸ Use anti-virus.
- ❹ Update your security settings.
- ❺ Change all your passwords.
- ❻ Create a personal online safety plan.

Lesson 5

- » **Copyright:** It includes written, visual, audio, video, and web materials.
- » **Intellectual property rights:** It means the invention, creation, or idea of someone that is protected by law from being copied.
- » **Creative Commons:** It refers to works that the creator has allowed to be shared.
- » Works in data libraries, such as (EKB) is **approved for use**.
- » In Egypt, works enter the public domain **50** years after the creator's death.
- » **A stock exchange:** It is a market where buyers and sellers deal in units of company stocks.
- » Company stocks are called shares.
- » Smart investors study multiple companies before deciding which one to invest in.
- » **A broker:** He/She is a person who handles the buying and selling of shares.
- » In traditional settings, an investor has a broker.
- » **E-trading** has made buying and selling shares more efficient, giving investors more control.
- » With the internet, e-trading platforms became common places.



SUMMARY on Theme 2

- » **E-trading** allows investors to make trades independently through websites or apps, providing more independence and user-friendly options.
- » **Robo-advisors**: They are online applications that provide financial guidance and services. 
- » **E-trading** provides access to many who might not be able to invest.
- » **E-trading** facilitates easier and faster trading between companies globally.

Lesson 6

Cloud computing

- » It is the **on-demand** storage and access of data and programs via remote servers on the internet.

Remote Servers

- » Connect users who are not on the local area network (LAN) to access and manage data, files, and applications via the internet.

Examples of Cloud Computing :

- 1 **OneDrive**: it is an application of Microsoft 365.
- 2 **Google Drive**: it is an application of Google.



Advantages of cloud computing

- 1 It frees up your device's space.
- 2 It backs up your files.
- 3 It enables you to access your files from multiple devices through the internet.
- 4 It provides an extra layer of security through password-protected storage and **data encryption**.
- 5 It allows direct file sharing with authorized users.

Disadvantages of cloud computing

- ❶ It requires internet to access the files on the cloud.
- ❷ The cloud storage is **fee-based**, more storage means higher fees.
- ❸ Data breaches can compromise your user information, but cloud services are overall extremely safe and secure.

Data Encryption

It converts data into a code to prevent unauthorized user access.



Data Breach

It occurs when unauthorized parties gain access to confidential data and information.

- » A document management system organizes documents for quick access.
- » Create a separate folder for each type of data.
- » All the large and reputable cloud storage services offer MFA.

Lesson 7

- » Microsoft 365 and Google Workspace are the most popular cloud computing software programs.
- » Both platforms include productivity apps and storage.
- » Microsoft 365 includes productivity apps, such as:

- Teams – Word
- Excel – PowerPoint



- ❶ Outlook is the email platform for Microsoft 365.
 - ❷ OneDrive is the storage application for Microsoft 365.
- » OneDrive is a user-friendly platform that allows you to store, share, and access files from any device.

SUMMARY on Theme 2

- » OneDrive allows users to upload and share files.
- » You can determine the access level for each person you share with.

To Upload Files or Folders to OneDrive

- 1 Sign in to **Microsoft Office** and select **OneDrive**.
- 2 Choose '**Upload**' then 'Files' or 'Folder'.
- 3 Select the files or folders to upload.
- 4 Click 'Open' or 'Select Folder'.



To save a file to OneDrive

- 1 Select '**File**' >> '**Save a Copy**' > 'OneDrive - Personal/Company'.
- 2 Select '**Enter file name here**' and type a name.
- 3 Select '**Save**'.
- 4 The file will appear in your OneDrive when you open the Office app.



THEME 1



An hour before the Exam

تمكن من مراجعة منهجك في ساعة واحدة قبل الامتحان



Important Points

أهم النقاط في المحور الأول

1 Virtual reality & Augmented reality & Artificial intelligence :

- AI works to imitate sounds when provided with the tone of voice of an actual human being.
- Virtual reality, Augmented reality and artificial intelligence feel futuristic, but they are already being used in everyday life.
- [AR] help students become active participants in learning and makes learning more memorable.
- Artificial intelligence [AI] is the ability of the computer to think, learn and deduce. It is used to unlock your phone with facial recognition.
- To experience [VR], users often wear a VR headset that blocks out the real world and provides views that immerse the user in another world.
- Futuristic technology can improve the lives of people of determination. For examples visually impaired people can use AR to see their family members up close.

2 Cutting-edge and assistive technology :

- In educations cutting-edge technology improves lives and inclusion in society for people of determination. Such as the assistive technology smart gloves that empower deaf people to translate their signs in real.

3 Digital Research skills :

- Use keyboard shortcuts in word processing such as copy, cut and paste.
- The EKB is an example of a general database.
- Knowing the results that you need helps to inform the search tools you could use.
- When you search any database, use a key word search and use other database field to narrow a search such as journal title and author.

4 Operating systems :

- OS includes accessible devices such as screen readers and magnifiers. It runs a computer's software and hardware, and allows a user to communicate with the computer easily.
- Other types of operating systems power different types of cutting-edge technologies such as [ROs] and self-driving cars.
- Mobile devices have mobile operating systems. The most popular mobile OSs are Android, and Apple iOS, which is used on the iPhone and iPad.

5 Programming language :

- Over time, programming languages have evolved from simple machine language [binary] to high-level human-like languages. Programmers choose a language based on pursued purpose.
- Hyper Text Markup Language elements break up web pages to make them easier to scan, read, and navigate.
- An HTML code can also helps people with low vision to distinguish between parts of a web page.



Important Definitions

أهم التعريفات في المحور الأول

Words	Definition
Networks	Networks are groups of devices or things that are connected to each other for a common purpose.
Computers	Computers are electronic devices that create, process, and store information.
Wired networks	Wired networks use physical wiring and cables which are plugged into ports on devices.
Wireless networks	Wireless networks connect without wiring [wireless or Wi-Fi]
Artificial intelligence [AI]	It is a comprehensive term for computer applications that perform complex tasks that simulate the thinking and performance of the human element.
Augmented reality [AR]	Augmented reality [AR] combines the real world with a virtual world by adding images using computers.
Virtual reality [VR]	VR is a virtual 3-D environment that allows users to explore and interact with surroundings as if it were reality.
Cutting-edge technology	Cutting-edge technology is defined as the latest and most advanced version of a service or product.
smart gloves	The assistive technology smart gloves that empower deaf people to translate their signs in real time to spoken or text output.
Search engines	They help people to search internet websites based on the keywords and phrases.
Databases	They are a collection of information which are typically stored in a computer system and can be accessed, for free, through your school.
Library catalogs	<ul style="list-style-type: none"> • A library catalog is a database which includes all the items owned by a library. • A library catalog search may include recently published books, including e-books with the most recent research about a subject, such as the catalog of the library of Alexandria.
Operating systems [OS]	An operating system [OS] is the software that manages a computer's functions, such as memory, drives, printers and other devices.

Robot operating systems [ROS]	ROS is an open-source software used for building robot applications.
Programming language	Instructions to a computer are given in code.
HTML	<ul style="list-style-type: none"> • It is commonly chosen for website creation because it is easy to learn and to use. • It allows creators to add elements such as text, links, images, audio and even videos to their web pages.



ICT tools

أدوات وأجهزة مستخدمة في تكنولوجيا المعلومات

Making connections



Computers need different networks connection devices to transfer data

Device name	Role of the device (component)
Modem 	<ul style="list-style-type: none"> • It's a device that connects a local area network [LAN] to the internet. • It converts the signal from the internet service provide [ISP], which transforms into a digital signal that can be read by devices.
Switches 	<ul style="list-style-type: none"> • They can send data to a specific device over a network, which helps to make connections easier and faster. • Switches are intelligent.

Augmented reality can be done through :




1. a smartphone camera



2. a tablet



Examples for technology and (AI)

Virtual reality (VR)	Augmented reality (AR)	Artificial intelligence (AI)
<p>A VR online tour of the tomb of king Tut, that allows you to "walk" through the tomb.</p> 	<p>An AR app that shows you how new furniture will look in your house.</p> 	<p>A robot vacuum that uses AI to avoid furniture and stairs.</p> 

Assistive technology

- It helps people of determination.

such as :



screen magnification
software

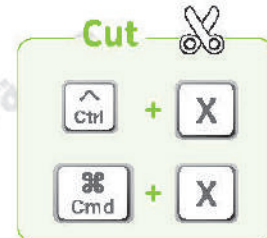
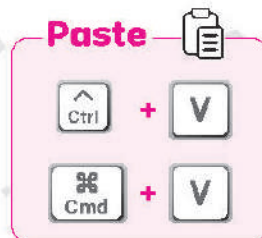
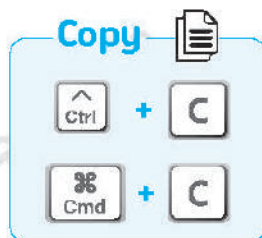


hearing aids



programs that turn speech
to text and text to speech

Useful digital editing tools



Digital search tools

1 Search engines



2 Databases



3 Library catalogs



An operating system includes accessible devices such as :



Screen readers



Magnifiers



- Most computers come pre-loaded with an operating system.



- Microsoft Windows is on most computers worldwide.



- Apple computers run on macOS.

Device type	Operating system
iOS	The operating system used on Apple mobile devices.
Windows	The operating system used on Microsoft PCs.
Android	The operating system used on mobile devices other than Apple products.
macOS	The operating system used on Apple PCs.

An Example of HTML

```
<h1>Photography</h1>
<h2>Welcome to my web page,
where I share my photos with
you</h2>
<p>This is my<strong>favorite</
strong> photo. This
<strong>beautiful</strong> tree
is in my backyard. I took this
picture on a warm, summer day
as the sun set.</p>
>
```


The building blocks of web pages are :



headings



paragraphs



links



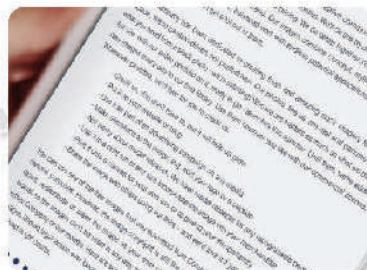
images

- Web browsers read HTML documents and display the content according to the HTML tag.

Tags have three main parts :



an opening tag



the content



a closing tag

`<h1>Largest heading</h1>`

`<h2>Subheading</h2>`

`<h6>Smaller Subheading</h6>`

`<p>Use this tag to create a paragraph. A paragraph usually has more than one sentence.</p>`

``

``

`Visit the Egyptian Knowledge Bank`

`<i> Emphasized text </i>`

`Bold text `

Largest heading

Subheading

Smaller Subheading

Use this tag to create a paragraph. A paragraph has several sentences.

This is the biggest font.
This is the smallest, red font.

Visit the Egyptian Knowledge Bank
"https://www.ekb.eg"

Emphasized text

Bold text

أكبر عنوان

عنوان فرعي

عنوان أصغر

فقرة

مقاس الخط ولونه

الرابط الشعبي

كتابة مائلة

خط عريض

Some HTML components of web pages :

A large heading

Subheadings

Image

Paragraphs

Name

My web page

Self-driving cars

Self-driving cars and mobility



Visuals

The cars are mobility aids for blind and low vision individuals. The cars can be built with wide doors and flat floors so wheelchairs will fit in them.

Self-driving cars exist now, but it will be years before they'll be available to the public.

A large heading

- It's at the top tag of the page.
- It catches attention.

Subheadings

- They make the text easy to scan so a reader can find the information they want.

Image

- It attracts attention.
- It can trigger different emotions.
- Add image and alt-text tags.

Paragraphs

- A paragraph usually has more than one sentence.
- Text broken up into paragraphs makes it easy for the reader to scan for the information they want.

**Important Points**

أهم النقاط في المحور الثاني

1 Electronic games :

- Electronic games can make some people aggressive, as some games promote violence and prevent some players from thinking rationally when facing situations.
- Multiplayer games in particular, can put your security at risk.
- Large gaming communities are filled with cyberbullies.

2 Protecting yourself from digital theft :

- It is irresponsible to leave your devices at risk by not taking proper safety precautions.
- Companies in particular need to protect their websites and their customers' information. Egypt has introduced the Data Protection Law to protect its citizens.
- If you think your data has been compromised, be sure to tell a parent or trusted adults, they can let the proper authorities know.

3 How to deal with cyber security threats :

- Stay calm, but take swift action and let your contacts know right away so they avoid opening anything suspicious.
- Use anti-virus software and confirm your security settings are up-to-date.
- Change your passwords - your device password, e-mail, social media, etc.
- Creating a personal online safety plan can prepare you for potential future issues. These can include how you will protect your personal devices and information from cyber criminals.

4 Copyright :

- Work in data libraries such as the Egyptian Knowledge Bank (EKB) is already approved for use.
- Egypt considers work in the public domain if the creator has been deceased for at least 50 years. No creator permission is required.

5 Electronic financial trading :

- It has made the process of buying and selling shares more efficient.
- With the spread of the internet, electronic trading platforms are now common place.
- While investors can still use a brokers e-trading allows more independence and user-friendly options through websites or applications.
- It is easier and faster for different companies to trade with one another, no matter where they are located.

6 Storing files in the cloud computing :

- Having a document management system allows you to organize your documents so it is quick and easy to find them.
- Create separate folders for different types of data like photos, and separate school and personal information with one folder for each.
- Label folders and subfolders clearly and consider keeping separate folders depending on the file type such as videos and text documents.

7 Strong passwords :

- Be sure to use a strong password for any account you have on a cloud storage platform, including Multi-Factor Authentication (MFA) for additional security.

8 Cloud computing applications :

- Microsoft 365™ and Google Workspace™ are the most popular software that deal with cloud computing applications.
- Microsoft 365 offers a whole suite of productivity apps such as Microsoft Teams™, Word, Excel™, PowerPoint™, its email platform, Outlook™, as well as Microsoft 365 storage application OneDrive.



Important Definitions

أهم التعريفات في المحور الثاني

Words	Definition
Electronic games	<ul style="list-style-type: none"> • Electronic games which are played over the internet with friends can be a lot of fun to play. • Electronic games can help to promote critical and creative thinking and encourage teamwork.
passwords	Passwords with at least eight random letters, numbers, and symbols are the most secure.
MFA	Multi-Factor authentication requires at least two ways of identifying yourself, usually through passwords, pins and security codes or personal questions.
Fingerprint authentication	This type of authentication will scan your finger as a way of confirming it's you.
Facial recognition	Facial recognition software will scan your face using your device's camera. This way, only the user's face can be used to open their devices or devices' apps.
Full Encryption	Encryption protects your information so only you can access it on your device, as long as you have set your password.
Malware	It is the greatest cyber security threat.
Scareware	<ul style="list-style-type: none"> • It is type of malware that pretends to be a virus alert. • It tells you to click on the link to help remove it, but the link is actually the virus!
Mobile malware	It is also problematic and unsecured Wi-Fi, for example can open you up to malware threats.
Spoofing	Cyber criminals pretend to be a business or a known person, in order to trick you to provide your information, or click on unsafe links.
Copyright	It includes written, visual, audio and web material.
Creative Commons	It refers to work that has been granted permission to share by the creator.
A stock exchange	It is a market where buyers and sellers deal in units of company stocks. These stocks are called shares.
A broker	<ul style="list-style-type: none"> • This is a person who handles the buying and selling of shares. • In traditional settings, an investor will have a broker.
robo-advisors	Online applications that provide financial guidance and services.

Cloud computing	<ul style="list-style-type: none"> • It is the on-demand storing, and accessing of data and programs via remote servers on the internet. • It enables users to access files and data easily and conveniently from anywhere and any time.
Remote servers	Connect users who are not on the local area network (LAN) to access and manage data, files and applications via the internet.
Data encryption	It converts data into a code to prevent unauthorized user access.
A data breach	It occurs when unauthorized parties gain access to confidential data and information.
Microsoft word	It shown in the photo, and opens up a new blank document that allows you to draft ideas, a story, or an assignment.
PowerPoint	It helps you create a presentation.
OneDrive	<ul style="list-style-type: none"> • It helps you share work with your friends too. • It allows you to store, share, and access files from any device. • It's very user-friendly.

There are several disadvantages of electronic games

1 Physical dangers



2 Psychological dangers



3 Security dangers



Responsible gaming

- You can limit the dangers you are exposed to by:



Only playing games and chatting with people you know and trust.



- Not using personal information in your username and passwords.
- Not using a webcam.

Different features that you can use to protect your data

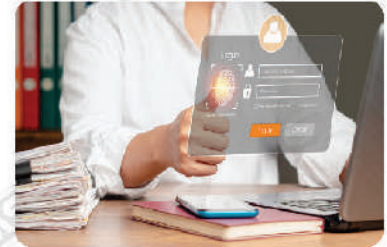
1 Passwords



2 Multi-factor authentication (MFA)



3 Fingerprint authentication



4 Facial recognition



5 Full Encryption



Online safety precautions and strategies

- These precautions are all examples of cyber security. These protect electronic devices and personal data from attacks.



- Use safe web browsers and install anti-virus protection on your devices.
- Only allow friends and family to view your social media.
- Use strong passwords and change them every three months.
- Verify websites that you frequent are real, safe and age appropriate.
- Verify information you find to make sure it is accurate.



- Don't communicate with people you don't know or who make you feel uncomfortable.
- Don't share personal information online.

Intellectual property

It is someone's invention, creation or idea, that is protected by law from being copied by someone else,

such as :

1



an individual

Or

2



a business

The concept of electronic financial trading

A stock exchange

- The Egyptian stock exchange allows citizens to invest in any market sector.



For Example :



Food



Clothing



Petroleum

Cloud computing

- Cloud computing enables users to access files and data easily and conveniently from anywhere and at any time.

Examples :



Microsoft 365
مايكروسوفت 365



OneDrive™
مايكروسوفت ون درايف



Google
جوجل



Google Drive™
جوجل درايف

The advantages and disadvantages of cloud computing



Advantages

- It frees up space on your devices by using cloud storage services.
- It allows you to log in and access your files from multiple devices, as long as you have internet service.
- It provides a backup for your files.
- It provides an extra layer of security by offering password protected data storage and data encryption.
- It allows you to directly share files with authorized users.



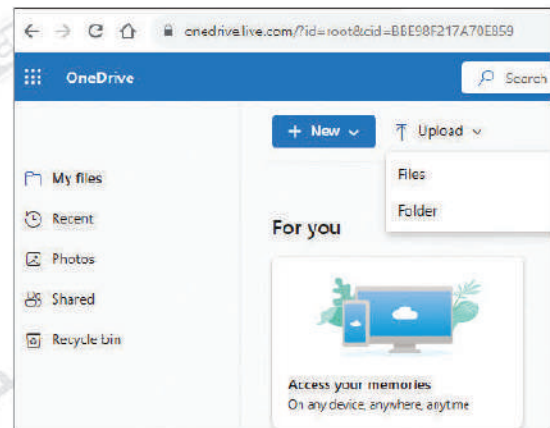
Disadvantages

- It requires you to have an internet connection. If you lose your internet connection, you won't be able to access files that are only stored in the cloud.
- Cloud storage is often a fee-based service. If you want to store files, you will need to pay a fee - the more storage you require, the higher the fee you will pay.
- If the cloud service you are using is a victim of a data breach, you may become a victim as well, as your information may be compromised. However, while there is a small risk, cloud services are overall extremely safe and secure.

Cloud computing applications

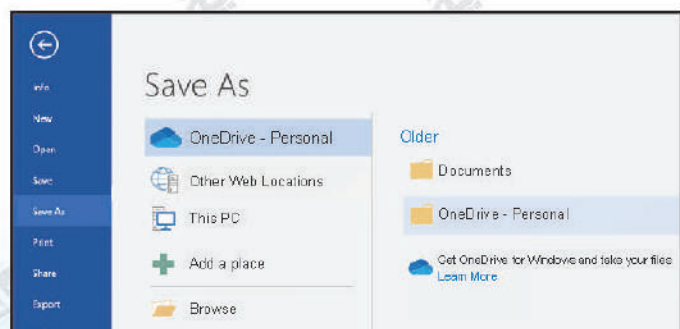
How to upload files or folders to OneDrive

1. In Chrome, sign in the Microsoft Office. Select **OneDrive**.
2. Select **Upload** > Files or Upload > Folder.
3. Select the files or folder you want to upload.
4. Select Open or Select Folder.



How to save a file to OneDrive

1. Select **File** > **Save a Copy** > **OneDrive - Personal/Company**.
2. Select **Enter file name here** and type a name.
3. Select **Save**.
4. You will then see the file in your OneDrive, the next time you open the Office app.



Theme 1 : Lesson 2:**Q1. Choose the correct answer from a, b, c or d.**

1. networks connect without wiring.
a. Historical b. Imitate c. Wireless d. Complex
2.are groups of devices or things that are connected to each other for a common purpose.
a. Explorers b. Networks c. Computers d. Keyboard
3.converts the signal from the internet service provider (ISP) into a digital signal.
a. Port b. Modem c. Router d. Switch
4.performs complex tasks that simulate the thinking and performance of the human element.
a. VR b. AI c. AR d. ICI
5. sends data to a specific device over a network.
a. Modern b. Switch c. Server d. None of them
6. are devices that can be connected to the internet.
a. Desktop computers c. Smart devices b. Laptops d. All of them
7. Wired networks use physical wiring and cables which are plugged into..... on devices.
a. ports b. modem c. routers d. switches
8.is a device that connects a local area network (LAN) to the internet.
a. modem b. laptop c. router d. server
9. The abbreviation of Artificial intelligence is.....
a. ALT b. IA c. AI d. AR
10. It is a collection of information that is usually stored in a computer system and can be easily accessed
a. Switch b. Augmented reality c. Databases

Q2. Put (✓) in front of correct sentence and (x) in front of the wrong one.

1. Computer networks connect computers with each other, to share important information and data. ()
2. Wireless networks use physical wiring and cables which are plugged into ports on devices. ()
3. Devices can be connected without wiring (wireless or Wi-Fi). ()
4. A switch is a device that connects a local area network to the internet. ()
5. Modem converts the signal from the internet service provider (ISP) which transforms into a digital signal that can be read by devices. ()
6. Switches help to make connections easier and faster. ()
7. VR works to imitate sounds when provided with the tone of voice of an actual human being. ()

Theme 1 : Lesson 3:**Q1. Choose the correct answer from a, b, c or d.**

1.feel futuristic, but they are already being used in education and everyday life.
a. Augmented reality b. Virtual reality c. Artificial intelligence d. all of them
- 2.....combines the real world with a virtual world by adding images using computers.
a. Augmented reality b. VR c. Artificial intelligence d. both (a) and (b)
3. This can be done through a smartphone camera or a tablet and will show a.....of what looks like the real world.
a. 3-D model b. 2-D model c. 4-D model d. 5-D model
- 4.....helps students become active participants in learning and makes learning more memorable.
a. RV b. AR c. VR d. AI
5. virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
a. RV b. AR c. VR d. AI
6. is used to unlock your phone with facial recognition.
a. AI b. AR c. VR d. 3D
7. VR Users often wear a..... that blocks out the real world and provides views that immerse the user in another world.
a. headphone b. headset c. VR headset d. none of them
8. Augmented reality can be done through a
a. tablet b. computer c. hardware d. disk
9. In the classroom,can take you to a world where insects and atoms are bigger than you, so that you can study them closely.
a. Augmented reality b. Virtual Reality c. VR d. both (b) and (c)
- 10.a/anhelp disabled individuals through using virtual assistants to accomplish everyday tasks.
a. augmented reality b. virtual reality c. artificial intelligence d. none of them

Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. Using AR, students in a math class can point their smartphone camera at a flat surface and project a 3-D image like a cube or cylinder onto the surface. ()
2. Using windows helps students become active participants in learning and makes learning more memorable. ()
3. Users often wear a normal headphone that blocks out the real world and provides views that immerse the user in another world. ()
4. Artificial intelligence (AI) is the ability of the computer to think and learn. ()
5. Futuristic technologies cannot improve the lives of people of determination.
6. From the uses of AR, someone with a visual impaired can see their family members up close. ()
7. An AR app shows you how new furniture will look in your house. ()
8. Disabled individuals can use virtual assistants to make phone calls. ()

Theme 1: Lesson 4:**Q1 .Choose the correct answer from a, b, c or d.**

1.is the latest and most advanced version of a service or product.
 - a. Augmented reality
 - b. Cutting-edge technology
 - c. Artificial intelligence
 - d. Assistive technology
2.helps people of determination, for example, screen magnification software and hearing aids.
 - a. Augmented reality
 - b. Cutting-edge technology
 - c. Artificial intelligence
 - d. Assistive technology
3. Screen magnification software, hearing aids, and programs that turn speech to text and text to speech are examples of
 - a. augmented reality
 - b. cutting-edge technology
 - c. assistive technology
 - d. artificial intelligence
4. Artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) are examples of
 - a. augmented reality
 - b. cutting-edge technology
 - c. artificial intelligence
 - d. assistive technology
5. Smart gloves that empower deaf people to translate their signs in real time to spoken or text output considered...
 - a. augmented reality
 - b. cutting-edge technology
 - c. assistive technology
 - d. artificial intelligence
6.describes how people use the product and interact with it, and how they evaluate their experiences.
 - a. User experiences
 - b. Meeting needs
 - c. Both of them
 - d. None of them
7.categories are ways of technology evaluation.
 - a. Accessible
 - b. Desirable
 - c. Findable
 - d. all of them
8. It is used..... when copying, pasting or cutting information
 - a. Digital editing tools
 - b. QR codes
 - c. Hyperlink
 - d. Painter's tools

Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. Artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) are examples of assistive technology.
2. Cutting-edge technology is the latest and most advanced version of a service or product. ()
3. Cutting-edge technology helps people of determination. ()
4. User experiences are ways of technology evaluation. ()
5. Meeting needs improve someone's independence and consequently inclusion in society. ()
6. Smartphones feature QR code scanning technology ()

Theme 1 :Lesson 5:**Q1. Choose the correct answer from a, b, c or d.**

1. are some of the most used word processing commands.
a. Copy b. Paste c. Cut d. All of them
- 2.....can help people to search internet websites based on the keywords and phrases.
a. Search engines b. Database c. Library catalogs d. Google chrome
3. A library catalog is a/an.....which includes all items owned by the library.
a. heading b. engine d. subject c. database
4. are collections of information which are typically stored in a computer system and can be accessed, for free through a school or library.
a. Search engines b. Databases c. Library catalogs d. Google chrome
5. You can search for information from magazines and newspapers through the.....
a. search engines b. databases c. library catalogs d. Google Chrome
6. The is an example of a general database which covers many subjects.
a. Facebook b. Twitter c. EKB d. Instagram
7. The EKB results are credible and.....
a. inaccurate b. narrow c. accurate d. unclear
8. To get useful search results and to narrow your search you can
a. search by author name b. search title of the journal
c. search by specifying dates d. all of them
9. A..... is a database which includes all the items owned by a library.
a. search engine b. database c. library catalog d. Google Chrome
10. To copy text from the Internet into a word processor, press the keys on the keyboard.
A- Ctrl+C B-Ctrl+X C-Ctrl+V
11. To cut text from the Internet into a word processor, we press thekeys on the keyboard.
A-Ctrl+C B-Ctrl+X C-Ctrl+V
12. To paste text into the word processor, press the keys on the keyboard
A-Ctrl+C B-Ctrl+X C-Ctrl+V
13. It is a database that includes all the sources and items contained in the library
A-Library catalogue B-Text coordinator C-Vol

Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. A library catalog is a database which includes all the items owned by a library. ()
2. There is only one way to get useful search results and to narrow your search you can. ()
3. Search engine is a good place to search for information from magazines, and newspapers. ()
4. Databases are collections of information which are typically stored in a computer system. ()
5. When doing research via internet, use your evaluation skills to ensure the content you select is credible and accurate.()
- 6-The Library of Alexandria catalog can be used through the Library's digital website ()

Theme 1 :Lesson 7:**Q1. Choose the correct answer from a, b, c or d.**

1. A./an is the software that manages computer's functions.
a. operating system b. Windows Explorer c. e-readers d. Google Chrome
2. is the operating system functions.
a. Runs a computer's software b. Runs a computer's hardware
c. Open-source. d. both a and b
3. Most computers come pre-loaded with a/an
a. operating system b. Windows explorer c. e-readers d. Google Chrome
- 4..... computers run on macOS.
a. Apple b. Ipad c. Android d. Windows
5. The most popular mobile OSs are
a. Android b. Apple iOS c. both a and b d. Windows
- 6.....uses open-source software.
a. Android b. Apple iOS c. Both (a) and (b) d. Windows
- 7..... means a person can change and read the programming code.
a. Open-source software b. Closed-source software
c. Both a and b d. None of them
8. Apple iOS is
a. open-source software b. closed-source software
c. both a and b d. none of them
- 9..... is open-source software used for building robot applications.
a. ROS b. RES c. OSR d. OCR
- 10.....refers to instructions to a computer that are given in code.
a. ROS b. Programming Language c. Operating system d. Both a and c
- 11..... Instructions to a computer are given in code.
A.HTML B. Operating system C. Programing language
- 12..... runs on mac devices.
A. MacOS B. ios C.Android

Q2 .Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. Operating system is used for managing computer's functions.()
2. Android runs on mac devices.()
3. An operating system includes accessible devices such as printer scanner. ()
4. Apple computers run on windows operating system. ()
5. The most popular mobile OSS are Android and Apple iOS. ()
- 6.Microsoft Windows runs the most computers worldwide. ()
7. Apple computers run on macOS. ()
8. Mobile devices have mobile operating systems. ()
9. Windows is open-source software for building robot applications. ()
- 10-The iOS operating system in APPLE phones is considered a closed source operating system ()
- 11-The ROS operating system is one of the advanced operating systems for operating robots ()

Theme 1 :Lesson 8:**Q1. Choose the correct answer from a, b, c or d.**

1. The abbreviation of Hyper Text Markup Language is ".
a. HTML b. HTLM c. E-HTMM d. THML
- 2..... is the standard programming language used to create web pages
a.<=img src> b. MacOS c. OSS d. HTML
3. HTML describes the structure of a web page and consists of a series of elements such as..... a. headings b. paragraphs c. links d. all of them
- 4..... read HTML documents and display the content according to the HTML tags
a. Web browsers b. MacOS c. E-reader d. Android
5. The HTML tag <p>.....</p> refers to
a. largest heading b. subheading c. smaller subheading d. create a paragraph
6. The HTML tag <h1>.....</h1> refers to.....
a. largest heading b. subheading c. smaller subheading d. create a paragraph
7. The HTML tag <h2>.....</h2> refers to
a. largest heading b. subheading c. Smaller subheading d. create a paragraph
- 8.The HTML tag <h6>.....</h6> refers to.....
a. largest heading b. subheading c. Smaller subheading d. create a paragraph
9. The function of <i>... </i> is.....
a. largest heading b. emphasized text c. change text to bold d. font color
10. The function of <a> ... is
a. create hyperlink b. change text to underline
c. change text to bold d. change text to italic
11. One of the following tags is false.....
a. <i> ... </i> b. <a> ... c. ... d. <h1> ... </h1>
12. One of the following tags is true.....
a. <i> ... </u> b. <a> ... c. ... d. <h1> ... </h1>
- 13..... from html element , attract attention and can trigger different emotions
A.large heading B. Image C. paragraphs
- 14-The tag ... is used to change the font
A. Size B.Color C.All of them
- 15.TheTag used to create a hyperlink.
A.<a src> B.<a href> C.<a alt>
- 16..... from html element, at the top of the page catches attention.
A. large heading B. Image C.paragraphs

Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. In HTML, it is difficult to attach elements such as text, links, images, audio and video clips to a web page ()
2. The CLOSING tag is used to write the title of the web page ()
3. The OPENING TAG is used to create the textual content of the web page ()
4. The <P> </P> tag is used to write a large font ()
5. The CONTENT tag is used to create the text content of the web page ()
6. The tag is used to write a paragraph ()
7. The <H1> </H1> tag is used to write a large title ()
8. The BOLD TEXT tag is used to type a bold font ()
9. Operating system is read HTML documents and display the content according to the HTML tag. ()
10. The tag <h1> </h1> refers to smaller subheading. ()
11. The tag <h2>...</h2> refers to subheading. ()
12. The tag <i>.... </i> refers to Emphasized text.()
13. A paragraph usually has more than one sentence.()
14. The tag ... is used to change the font size only.()
15. To change the text to bold we use the ... tag.()
16. HTML elements break up web pages to make them easier to scan, read, and navigate.()

Theme 2: Lesson 2:**Q1 Choose the correct answer from a, b, d.**

1. Electronic games help to promote critical and creative
a. thinking b. playing c. fun d. skills
2. Electronic games, can be a lot of fun, but there can be problems playing these games like.....
a. cyber bullying b. hacking c. having fun d. both (a) & (b)
3. There are several disadvantages of electronic games like.....
a. physical dangers b. psychological dangers c. security dangers d. all of them
4. Playing electronic games too often can affect your..... cycle.
a. security b. sleep c. fun d. all of them
5. Electronic games can strain your..... and cause headaches.
a. hand b. arm c. eyes d. leg
6. One of psychological dangers of electronic games is.....
a. feeling lonely b. straining your eyes
c. affecting your sleep cycle d. hackers attack
7. When playing games online, don't put personal information, such as
a. your full name as your username b. your email, address
c. both (a) and (b) d. none of them
8. Large gaming communities are filled with
a. data b. cyber bullies c. information d. none of them
9. You can limit the dangers while playing electronic games through.....
a. playing with people you know and trust b. not using a webcam
c. not using personal information d. all of them
10. Hackers can cause your information to be leaked andare easily spread.
a. viruses b. games c. data d. none of them
11. When playing games online, don't put personal information, such as.....
a. your full name as your username b. your email, address c. both (a) and (b)

2 Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. There are several disadvantages of electronic games like security dangers. ()
2. Playing too often can help your sleep cycle. ()
3. Electronic games can strain your hand. ()
4. Electronic games may keep you stimulated and prevent you from falling asleep. ()
5. There are no dangers while playing electronic games. ()
6. You may become anxious and depressed because you are being bullied online. ()
7. Multiplayer games can put your security at risk. ()
8. Never accept limits that your parents set to prevent unhealthy gaming habits. ()
9. Gaining weight is one of electronic games advantages. ()
10. Some electronic games promote violence. ()

Theme 2: Lesson 3:**Q1. Choose the correct answer from a, b, d.**

1. When creating password, you should use
a.random letters b.random numbers C.symbols d.all of them
2. MFA requires at least.....ways of identifying yourself
a.two b. three c.four d.five
- 3.....means Multi-Factor Authentication. a.MFB b.MFA C.MFC d.MFD
- 4.....are ways of Multi Factor Authentication
a. Passwords b.Pins c.Security codes d.All of them
- 5.....is a type of authentication which will scan your finger as a way of confirming it's you.
a. Fingerprint Authentication b.Pins
c. Security codes d.Multi Factor Authentication
- 6.....will scan your face using your device's camera.
a. Fingerprint Authentication b.Pins
c. Facial Recognition d.Multi Factor Authentication
- 7....is the way only the user's face can be used to open their devices or devices' apps.
a. Facial recognition software b.Full Encryption
c.Both a and b d.Install new software
- 8.Password consisting of 8 letters and numbers one or more random symbols
A.Least safe B.The safest C.hacked

Q2. Put (✓) in front of the correct sentence and(x) in front of the wrong one

1. You can protect your devices from theft by setting simple password. ()
2. It is irresponsible to leave your devices at risk by not taking proper safety precautions. ()
3. MFA stands for Multi-Factor Authentication. ()
4. MFA authentication will scan your finger as a way of confirming it's you ()
5. Facial Recognition will scan your face using your device's camera. ()
6. Multi-Factor Authentication requires at least three ways of identifying yourself. ()
7. MFA can confirm your identity through pins and personal questions. ()
8. Fingerprint Authentication is a type of authentication, will scan your finger as a way of confirming it's you.()
9. Fingerprint Authentication is a way only the user's face can be used to open their devices or devices' apps.()
10. Full Encryption protects your information so everyone can access it on their device. ()

Theme 2 :Lesson 4:**Q1. Choose the correct answer from a, b, d.**

1. One of the safety precautions when dealing with the internet is to use strong passwords and change them every.....
 - a. three months b. five months c. one year d. two weeks
- 2.....are examples of cyber security.
 - a. Using strong passwords b. Verifying information you find
 - c. Verifying the websites d. all of them
3. When dealing with social media, remember to.....
 - a. only allow friends and family to view your social media
 - b. use word program to browse social media
 - c. both(a) and(b) d. none of them
4. You can keep your work safety when dealing with the internet by.....
 - a. using safe web browsers b. using anti-virus protection on your devices
 - c. keeping your personal information private d. all of them
5. Use a/an.....to do a sweep of your computer and remove any viruses
 - a. browser b. operating system c. anti-virus d. word program
6. To protect your computer from cyber security threats,.....
 - a. use anti-virus b. confirm your security settings are up-to-date
 - c. change the passwords every certain periods d. all of them
- 7..... is the greatest cyber security threat.
 - a. Spoofing b. Malware c. Scareware d. None of them
8. If you click on unsafe links, you are in....of having your information compromised.
 - a. danger b. safety c. protection d. media
- 9..... is a type of malware that pretends to be a virus alert.
 - a. Browser b. Website c. Scareware d. Spoofing
- 10the cyber security threat to a trusted adult.
 - a. Report b. Don't tell c. Share d. Install

Q2. Put (✓) in front of the correct sentence and(x)in front of the wrong one.

1. One of the safety precautions when dealing with the internet is not to share personal information online ()
2. Using weak passwords and making it fixed is one of the safety precautions when dealing with the internet. ()
3. From the safety strategies is verifying the websites that you frequent are real, safe, and age appropriate.()
4. Verifying information you find to make sure it is inaccurate is one of the safety precautions when dealing with the internet. ()
5. Do not communicate with people you don't know or who make you feel uncomfortable. ()
6. Use PowerPoint application to do a sweep of your computer and remove any viruses. ()
7. From the ways of protecting your device from threats is to install anti-virus protection ()
8. It's a good idea to change all your passwords, even if you think you only have one account that's been hacked. ()
9. It is not important that you report the threats to a trusted adult. ()
10. Mobile malware is problematic. ()

Theme 2 Lesson 5:**Q1. Choose the correct answer from a, b, d.**

- Copyright includes written,.....material.
a. visual b. audio c. video d. all of them
- "....."refers to work that has been granted permission to share by the creator.
a. Creative Commons b. Copyright c. Hacking d. All of them
- Egypt considers work in the public domain if the creator has been deceased for at least.....No creator permission is required.
a. 30 years b. 50 years c. 40 years d. 60 years
- is someone's invention, creation or idea that is protected by law from being copied by someone else.
a. Intellectual property b. Hacking
c. Creative Commons d. Machine learning
- A.....is a market where buyers and sellers deal in units of company stocks.
a. supermarket b. stock exchange c. trade d. copyright
- In stock exchange, stocks are called.....
a. parts b. pieces c. shares d. copyrights
- Smart will research multiple companies before deciding which company to invest in.
a. investors b. players c. teachers d. doctors
- In traditional settings, an investor will have a.....
a. player b. broker c. teacher d. doctor
-has made the process of buying and selling shares more efficient.
a. E-trading b. E-market c. E-learning d. E-mail
- A..... is a person who handles the buying and selling of shares.
a. broker b. student c. teacher d. doctor

Q2. Put (✓) in front of correct sentence and (x) in front of the wrong one.

- Copyright includes web material. ()
- Copyright includes only written material. ()
- Work in data libraries such as the Egyptian Knowledge Bank (EKB) is not approved for use.()
- No creator permission is required if the creator has been deceased for at least 50 years.()
- Electronic trading platforms are now. common places. ()
- E-trading allows the investor to make trades on their own through websites or applications. ()
- "E-trading" refers to work that has been granted permission to share by the creator. ()
- "Creative Commons" is a market where buyers and sellers deal in units of company stocks. ()
- E-trading provides access to many people who otherwise might not be able to invest. ()
- In traditional settings, an investor won't have a broker ()
- In stock exchange the stocks are called shares. ()
- E-trading allows more independence and user-friendly options. ()

Theme 2 Lesson 6:**Q1. Choose the correct answer from a, b, d.**

- 1.....is the on-demand storing and accessing of data and programs via remote servers on the internet.
 - a. Cloud computing b. Phishing c. Remote servers d. Downloading
2. The advantages of cloud computing are
 - a. frees up space on your devices
 - b. allows you to log in and access your files from multiple devices
 - c. both(a) and(b)
 - d. you can work in your files without internet
- 3.....provides an extra layer of security by offering password protected data storage and data encryption.
 - a. Cloud computing b. Shopping c. Remote servers d. Downloading
- 4.A.....occurs when unauthorized parties gain access to confidential data and information.
 - a. data storing b. data copying c. data saving d. data breach
5. is often a fee-based service.
 - a. Website browsing b. Cloud storage c. Data saving d. Data breach
- 6 are the disadvantages of cloud computing.
 - a. It requires you to have an internet connection
 - b. Cloud storage is often a fee-based service
 - c. Both(a) and(b)
 - d. None of them
7. Data..... converts data into a codes to prevent unauthorized users access.
 - a. encryption b. copying c. saving d. breach
8. Providing a backup for your files is.....
 - a. from the advantages of cloud computing
 - b. from the disadvantages of cloud computing
 - c. both(a) and (b)
 - d. none of them

Q2. Put(✓)in front of correct sentence and(x) in front of the wrong one.

1. Cloud computing provides an extra layer of security by offering password protected data storage and data encryption. ()
2. Remote servers connect users who are using printers to access and manage data, files, and applications via the internet. ()
3. Google and OneDrive™ are not cloud computing services. ()
4. Cloud computing is the on-demand storing and accessing of data and programs via remote servers on the internet. ()
5. Cloud storage is one of the cloud computing services. ()
6. When using PowerPoint, we convert the data into a code to prevent unauthorized user access. ()
7. For easy work on computer, create separate folders for different types of data. ()
8. From the advantages of cloud computing is to have internet connection. ()
9. Be sure to use a strong password for any account you have on a cloud storage platform. ()

Theme 2: Lesson 7:**Q1. Choose the correct answer from a, b, d.**

1. are the most popular software that deals with cloud computing applications.
 - a. Microsoft 365TM
 - b. Google Workspace TM
 - c. both(a) and (b)
 - d. none of them
2.is storing ,and accessing, data or programs through the internet.
 - a. Internet
 - b. Switch
 - c. Cloud computing
 - d. Intranet
3. Microsoft 365 offers a whole suite of productivity apps such as.....
 - a. Microsoft Teams TM
 - b. Word
 - c. Excel
 - d. all of them
4. The Microsoft 365 storage application is.....
 - a. OneDrive
 - b. Word
 - c. Excel
 - d. PowerPoint
5. is used to create blank documents
 - a. Microsoft Teams TM
 - b. Word
 - c. Excel
 - d. PowerPoint
6. We use to create presentations.
 - a. Microsoft Teams TM
 - b. Word
 - c. PowerPoint
 - d. Excel
7. app is used to browse mailing lists.
 - a. Microsoft Teams TM
 - b. Word
 - c. PowerPoint
 - d. Outlook TM
8. allows you to store, share, and access files from any device.
 - a. OneDrive
 - b. Word
 - c. Excel
 - d. PowerPoint
9. While using the OneDrive app, you can decide what level of access each person you share with such as
 - a. viewing purposes
 - b. editing
 - c. both(a) and (b)
 - d. none of them
10. In OneDrive, you can upload.....
 - a. files only
 - b. files and folders
 - c. folders only
 - d. subfolders only
11. To save a file in OneDrive, select then save a copy.
 - a. file menu
 - b. edit menu
 - c. view menu
 - d. help Menu

Q2. Put (✓) or (x)for the following sentences.

1. Cloud computing is storing and accessing data or programs through the internet. ()
2. Microsoft 365TM and Google Workspace TM don't include productivity apps and storage. ()
3. Microsoft 365Tm is one of the most popular software that deal with cloud computing applications. ()
4. OneDrive can't help you share work with your friends. ()
5. PowerPoint is one of the productivities apps()
6. Microsoft 365Tm platform provides everything you need()
7. PowerPoint is used to create bank documents. ()
8. When using OneDrive, you upload your files and then click on the Share option to share with others. ()
9. While using the OneDrive app, you can't decide what level of access each person has. ()
10. When saving file one OneDrive, you will see the file in your OneDrive, the next time you open the Office app()
11. Through word program, you can draft ideas, a story, or an assignment. ()
12. Google Workspace Tm is one of the most popular software that deals with cloud computing applications. ()

Theme 1 : Lesson 2:**Q1. Choose the correct answer from a, b, c or d.**

1. networks connect without wiring.
a. Historical b. Imitate **(c) Wireless** d. Complex
2.are groups of devices or things that are connected to each other for a common purpose.
a. Explorers **(b) Networks** c. Computers d. Keyboard
3.converts the signal from the internet service provider (ISP) into a digital signal.
a. Port **(b) Modem** c. Router d. Switch
4.performs complex tasks that simulate the thinking and performance of the human element.
a. VR **(b) AI** c. AR d. ICI
5. sends data to a specific device over a network.
a. Modern **(b) Switch** c. Server d. None of them
6. are devices that can be connected to the internet.
a. Desktop computers c. Smart devices b. Laptops **(d) All of them**
7. Wired networks use physical wiring and cables which are plugged into..... on devices.
(a) ports b. modem c. routers d. switches
8.is a device that connects a local area network (LAN) to the internet.
(a) modem b. laptop c. router d. server
9. The abbreviation of Artificial intelligence is.....
a. ALT b. IA **(c) AI** d. AR
10. It is a collection of information that is usually stored in a computer system and can be easily accessed
a. Switch b. Augmented reality **(c) Databases**

Q2. Put (✓) in front of correct sentence and (x) in front of the wrong one.

1. Computer networks connect computers with each other, to share important information and data. (✓)
2. Wireless networks use physical wiring and cables which are plugged into ports on devices. (✗)
3. Devices can be connected without wiring (wireless or Wi-Fi). (✓)
4. A switch is a device that connects a local area network to the internet. (✗)
5. Modem converts the signal from the internet service provider (ISP) which transforms into a digital signal that can be read by devices. (✓)
6. Switches help to make connections easier and faster. (✓)
7. VR works to imitate sounds when provided with the tone of voice of an actual human being. (✗)

Theme 1 : Lesson 3:**Q1. Choose the correct answer from a, b, c or d.**

1.feel futuristic, but they are already being used in education and everyday life.
a. Augmented reality b. Virtual reality c. Artificial intelligence **(d) all of them**
- 2.....combines the real world with a virtual world by adding images using computers.
(a) Augmented reality b. VR c. Artificial intelligence d. both (a) and (b)
3. This can be done through a smartphone camera or a tablet and will show a.....of what looks like the real world.
(a) 3-D model b. 2-D model c. 4-D model d. 5-D model
- 4.....helps students become active participants in learning and makes learning more memorable.
a. RV **(b) AR** c. VR d. AI
5. virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality.
a. RV b. AR **(c) VR** d. AI
6. is used to unlock your phone with facial recognition.
(a) AI b. AR c. VR d. 3D
7. VR Users often wear a..... that blocks out the real world and provides views that immerse the user in another world.
a. headphone b. headset **(c) VR headset** d. none of them
8. Augmented reality can be done through a
(a) tablet b. computer c. hardware d. disk
9. In the classroom,can take you to a world where insects and atoms are bigger than you, so that you can study them closely.
a. Augmented reality b. Virtual Reality c. VR **(d) both (b) and (c)**
- 10.a/anhelp disabled individuals through using virtual assistants to accomplish everyday tasks.
a. augmented reality b. virtual reality **(c) artificial intelligence** d. none of them

Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. Using AR, students in a math class can point their smartphone camera at a flat surface and project a 3-D image like a cube or cylinder onto the surface. (✓)
2. Using windows helps students become active participants in learning and makes learning more memorable. (✗)
3. Users often wear a normal headphone that blocks out the real world and provides views that immerse the user in another world. (✗)
4. Artificial intelligence (AI) is the ability of the computer to think and learn. (✓)
5. Futuristic technologies cannot improve the lives of people of determination. ✗
6. From the uses of AR, someone with a visual impaired can see their family members up close. (✓)
7. An AR app shows you how new furniture will look in your house. (✓)
8. Disabled individuals can use virtual assistants to make phone calls. (✓)

Q1 .Choose the correct answer from a, b, c or d.

- Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.**

1. Artificial intelligence (AI), augmented reality (AR), and virtual reality (VR) are examples of assistive technology. ✗
2. Cutting-edge technology is the latest and most advanced version of a service or product. (✓)
3. Cutting-edge technology helps people of determination. (✓)
4. User experiences are ways of technology evaluation. (✓)
5. Meeting needs improve someone's independence and consequently inclusion in society. (✓)
6. Smartphones feature QR code scanning technology () ✓

Theme 1 :Lesson 5:**Q1. Choose the correct answer from a, b, c or d.**

1. are some of the most used word processing commands.
a. Copy b. Paste c. Cut **(d) All of them**
- 2.....can help people to search internet websites based on the keywords and phrases.
(a) Search engines b. Database c. Library catalogs d. Google chrome
3. A library catalog is a/an.....which includes all items owned by the library.
a. heading b. engine d. subject **(c) database**
4. are collections of information which are typically stored in a computer system and can be accessed, for free through a school or library.
a. Search engines **(b) Databases** c. Library catalogs d. Google chrome
5. You can search for information from magazines and newspapers through the.....
a. search engines **(b) databases** c. library catalogs d. Google Chrome
6. The is an example of a general database which covers many subjects.
a. Facebook b. Twitter **(c) EKB** d. Instagram
7. The EKB results are credible and.....
a. inaccurate b. narrow **(c) accurate** d. unclear
8. To get useful search results and to narrow your search you can
a. search by author name b. search title of the journal
c. search by specifying dates **(d) all of them**
9. A..... is a database which includes all the items owned by a library.
a. search engine b. database **(c) library catalog** d. Google Chrome
10. To copy text from the Internet into a word processor, press the keys on the keyboard.
(A) Ctrl+C B-Ctrl+X C-Ctrl+V
11. To cut text from the Internet into a word processor, we press thekeys on the keyboard.
A-Ctrl+C **(B) Ctrl+X** C-Ctrl+V
12. To paste text into the word processor, press the keys on the keyboard
A-Ctrl+C B-Ctrl+X **(C) Ctrl+V**
13. It is a database that includes all the sources and items contained in the library
(A) Library catalogue B-Text coordinator C-Vol

Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. A library catalog is a database which includes all the items owned by a library. () ✓
2. There is only one way to get useful search results and to narrow your search you can. ()
3. Search engine is a good place to search for information from magazines, and newspapers. (X)
4. Databases are collections of information which are typically stored in a computer system. (✓)
5. When doing research via internet, use your evaluation skills to ensure the content you select is credible and accurate. (✓)
- 6- The Library of Alexandria catalog can be used through the Library's digital website () ✓

Theme 1 :Lesson 7:**Q1. Choose the correct answer from a, b, c or d.**

1. A./an is the software that manages computer's functions.
☒ a. operating system b. Windows Explorer c. e-readers d. Google Chrome
2. is the operating system functions.
 a. Runs a computer's software b. Runs a computer's hardware
 c. Open-source. ☒ d. both a and b
3. Most computers come pre-loaded with a/an
☒ a. operating system b. Windows explorer c. e-readers d. Google Chrome
4. computers run on macOS.
☒ a. Apple b. Ipad c. Android d. Windows
5. The most popular mobile OSs are
 a. Android b. Apple iOS ☒ c. both a and b d. Windows
6. uses open-source software.
☒ a. Android b. Apple iOS c. Both (a) and (b) d. Windows
7. means a person can change and read the programming code.
☒ a. Open-source software b. Closed-source software
 c. Both a and b d. None of them
8. Apple iOS is
 a. open-source software ☒ b. closed-source software
 c. both a and b d. none of them
9. is open-source software used for building robot applications.
☒ a. ROS b. RES c. OSR d. OCR
10. refers to instructions to a computer that are given in code.
 a. ROS ☒ b. Programming Language c. Operating system d. Both a and c
11. Instructions to a computer are given in code.
 A. HTML B. Operating system ☒ C. Programing language
12. runs on mac devices.
☒ A. MacOS B. ios C. Android

Q2 .Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. Operating system is used for managing computer's functions. (✓)
2. Android runs on mac devices. (✗)
3. An operating system includes accessible devices such as printer scanner. (✓)
4. Apple computers run on windows operating system. (✗)
5. The most popular mobile OSS are Android and Apple iOS. (✓)
6. Microsoft Windows runs the most computers worldwide. (✓)
7. Apple computers run on macOS. (✓)
8. Mobile devices have mobile operating systems. (✓)
9. Windows is open-source software for building robot applications. (✗)
- 10- The iOS operating system in APPLE phones is considered a closed source operating system () ✓
- 11- The ROS operating system is one of the advanced operating systems for operating robots () ✓

Theme 1 :Lesson 8:

Q1. Choose the correct answer from a, b, c or d.

1. The abbreviation of Hyper Text Markup Language is ".

- ☒ a. HTML b. HTLM c. E-HTMM d. THML

2..... is the standard programming language used to create web pages

- a. <=img src> b. MacOS c. OSS ☒ d. HTML

3. HTML describes the structure of a web page and consists of a series of elements such as..... a. headings b. paragraphs c. links ☒ d. all of them

4..... read HTML documents and display the content according to the HTML tags

- ☒ a. Web browsers b. MacOS c. E-reader d. Android

5. The HTML tag <p>.....</p> refers to

- a. largest heading b. subheading c. smaller subheading ☒ d. create a paragraph

6. The HTML tag <h1>.....</h1> refers to.....

- ☒ a. largest heading b. subheading c. smaller subheading d. create a paragraph

7. The HTML tag <h2>.....</h2> refers to

- a. largest heading ☒ b. subheading c. Smaller subheading d. create a paragraph

8. The HTML tag <h6>.....</h6> refers to.....

- a. largest heading b. subheading ☒ c. Smaller subheading d. create a paragraph

9. The function of <i>... </i> is.....

- a. largest heading ☒ b. emphasized text c. change text to bold d. font color

10. The function of <a> ... is

- ☒ a. create hyperlink b. change text to underline
c. change text to bold d. change text to italic

11. One of the following tags is false.....

- a. <i> ... </i> b. <a> ... ☒ c. ... d. <h1> ... </h1>

12. One of the following tags is true.....

- a. </i> ... </u> b. <a> ... c. ... ☒ d. <h1> ... </h1>

13..... from html element , attract attention and can trigger different emotions

- A. large heading ☒ B. Image C. paragraphs

14-The tag ... is used to change the font

- A. Size B. Color ☒ C. All of them

15.The Tag used to create a hyperlink.

- A. <a src> ☒ B. <a href> C. <a alt>

16..... from html element, at the top of the page catches attention.

- ☒ A. large heading B. Image C. paragraphs

Q2. Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. In HTML, it is difficult to attach elements such as text, links, images, audio and video clips to a web page (X)
2. The CLOSING tag is used to write the title of the web page (X)
3. The OPENING TAG is used to create the textual content of the web page (X)
4. The <P> </P> tag is used to write a large font (X)
5. The CONTENT tag is used to create the text content of the web page (✓)
6. The tag is used to write a paragraph (X)
7. The <H1> </H1> tag is used to write a large title () <h1> </h1> ✓
8. The BOLD TEXT tag is used to type a bold font (✓) ✓
9. Operating system is read HTML documents and display the content according to the HTML tag. (X)
10. The tag <h1> </h1> refers to smaller subheading. (X)
11. The tag <h2>...</h2> refers to subheading. (✓)
12. The tag <i>.... </i> refers to Emphasized text. (✓)
13. A paragraph usually has more than one sentence. (✓)
14. The tag ... is used to change the font size only. (X)
15. To change the text to bold we use the ... tag. (✓)
16. HTML elements break up web pages to make them easier to scan, read, and navigate. () ✓

Theme 2: Lesson 2:**Q1 Choose the correct answer from a, b, d.**

1. Electronic games help to promote critical and creative
 (a) thinking b. playing c. fun d. skills
2. Electronic games, can be a lot of fun, but there can be problems playing these games like.....
 a. cyber bullying b. hacking c. having fun (d) both (a) & (b)
3. There are several disadvantages of electronic games like.....
 a. physical dangers b. psychological dangers c. security dangers (d) all of them
4. Playing electronic games too often can affect your..... cycle.
 a. security (b) sleep c. fun d. all of them
5. Electronic games can strain your..... and cause headaches.
 a. hand b. arm (c) eyes d. leg
6. One of psychological dangers of electronic games is.....
 (a) feeling lonely b. straining your eyes
 c. affecting your sleep cycle d. hackers attack
7. When playing games online, don't put personal information, such as
 a. your full name as your username b. your email, address
 (c) both (a) and (b) d. none of them
8. Large gaming communities are filled with
 a. data (b) cyber bullies c. information d. none of them
9. You can limit the dangers while playing electronic games through.....
 a. playing with people you know and trust b. not using a webcam
 c. not using personal information (d) all of them
10. Hackers can cause your information to be leaked andare easily spread.
 (a) viruses b. games c. data d. none of them
11. When playing games online, don't put personal information, such as.....
 a. your full name as your username b. your email, address (c) both (a) and (b)

2 Put (✓) in front of the correct sentence and (x) in front of the wrong one.

1. There are several disadvantages of electronic games like security dangers. (✓)
2. Playing too often can help your sleep cycle. (✗)
3. Electronic games can strain your hand. (✗)
4. Electronic games may keep you stimulated and prevent you from falling asleep. () ✓
5. There are no dangers while playing electronic games. (✗)
6. You may become anxious and depressed because you are being bullied online. (✓)
7. Multiplayer games can put your security at risk. (✓)
8. Never accept limits that your parents set to prevent unhealthy gaming habits. (✗)
9. Gaining weight is one of electronic games advantages. (✓)
10. Some electronic games promote violence. (✓)

Theme 2: Lesson 3:**Q1. Choose the correct answer from a, b, d.**

1. When creating password, you should use
a.random letters b.random numbers C.symbols **d.all of them**
2. MFA requires at least.....ways of identifying yourself
a.two b. three c.four d.five
- 3.....means Multi-Factor Authentication. a.MFB **b.MFA** C.MFC d.MFD
- 4.....are ways of Multi Factor Authentication
a. Passwords b.Pins c.Security codes **d>All of them**
- 5.....is a type of authentication which will scan your finger as a way of confirming it's you.
a. Fingerprint Authentication b.Pins
c. Security codes d.Multi Factor Authentication
- 6.....will scan your face using your device's camera.
a. Fingerprint Authentication b.Pins
c.Facial Recognition d.Multi Factor Authentication
- 7....is the way only the user's face can be used to open their devices or devices' apps.
a) Facial recognition software b.Full Encryption
c.Both a and b d.Install new software
- 8.Password consisting of 8 letters and numbers one or more random symbols
A.Least safe **B.The safest** C.hacked

Q2. Put (✓) in front of the correct sentence and(x) in front of the wrong one

1. You can protect your devices from theft by setting simple password. (✗)
2. It is irresponsible to leave your devices at risk by not taking proper safety precautions. () ✓
3. MFA stands for Multi-Factor Authentication. (✓)
4. MFA authentication will scan your finger as a way of confirming it's you (✗)
5. Facial Recognition will scan your face using your device's camera. (✓)
6. Multi-Factor Authentication requires at least three ways of identifying yourself. () ✗
7. MFA can confirm your identity through pins and personal questions. (✓)
8. Fingerprint Authentication is a type of authentication, will scan your finger as a way of confirming it's you.(✓)
9. Fingerprint Authentication is a way only the user's face can be used to open their devices or devices' apps.(✗)
10. Full Encryption protects your information so everyone can access it on their device. () ✗

Theme 2 :Lesson 4:**Q1. Choose the correct answer from a, b, d.**

1. One of the safety precautions when dealing with the internet is to use strong passwords and change them every.....
☒ a. three months b. five months c. one year d. two weeks
- 2.....are examples of cyber security.
 a. Using strong passwords b. Verifying information you find
 c. Verifying the websites ☒ d. all of them
3. When dealing with social media, remember to.....
☒ a. only allow friends and family to view your social media
 b. use word program to browse social media
 c. both(a) and(b) d. none of them
4. You can keep your work safety when dealing with the internet by.....
 a. using safe web browsers b. using anti-virus protection on your devices
 c. keeping your personal information private ☒ d. all of them
5. Use a/an.....to do a sweep of your computer and remove any viruses
 a. browser b. operating system ☒ c. anti-virus d. word program
6. To protect your computer from cyber security threats,.....
 a. use anti-virus b. confirm your security settings are up-to-date
 c. change the passwords every certain periods ☒ d. all of them
- 7..... is the greatest cyber security threat.
 a. Spoofing ☒ b. Malware c. Scareware d. None of them
8. If you click on unsafe links, you are in....of having your information compromised.
☒ a. danger b. safety c. protection d. media
- 9..... is a type of malware that pretends to be a virus alert.
 a. Browser b. Website ☒ c. Scareware d. Spoofing
- 10the cyber security threat to a trusted adult.
☒ a. Report b. Don't tell c. Share d. Install

Q2. Put (✓) in front of the correct sentence and(x)in front of the wrong one.

1. One of the safety precautions when dealing with the internet is not to share personal information online (✓)
2. Using weak passwords and making it fixed is one of the safety precautions when dealing with the internet. (X)
3. From the safety strategies is verifying the websites that you frequent are real, safe, and age appropriate.(✓)
4. Verifying information you find to make sure it is inaccurate is one of the safety precautions when dealing with the internet. (X)
5. Do not communicate with people you don't know or who make you feel uncomfortable. (✓)
6. Use PowerPoint application to do a sweep of your computer and remove any viruses. ()
7. From the ways of protecting your device from threats is to install anti-virus protection (✓)
8. It's a good idea to change all your passwords, even if you think you only have one account that's been hacked. (✓)
9. It is not important that you report the threats to a trusted adult. (X)
10. Mobile malware is problematic. (✓)

Theme 2 Lesson 5:

Q1. Choose the correct answer from a, b, d.

- Copyright includes written,.....material.
a. visual b. audio c. video **d. all of them**
- "....."refers to work that has been granted permission to share by the creator.
a. Creative Commons b. Copyright c. Hacking d. All of them
- Egypt considers work in the public domain if the creator has been deceased for at least.....No creator permission is required.
a. 30 years **b. 50 years** c. 40 years d. 60 years
- is someone's invention, creation or idea that is protected by law from being copied by someone else.
a. Intellectual property b. Hacking
c. Creative Commons d. Machine learning
- A.....is a market where buyers and sellers deal in units of company stocks.
a. supermarket **b. stock exchange** c. trade d. copyright
- In stock exchange, stocks are called.....
a. parts b. pieces **c. shares** d. copyrights
- Smart will research multiple companies before deciding which company to invest in.
a. investors b. players c. teachers d. doctors
- In traditional settings, an investor will have a.....
a. player **b. broker** c. teacher d. doctor
-has made the process of buying and selling shares more efficient.
a. E-trading b. E-market c. E-learning d. E-mail
- A..... is a person who handles the buying and selling of shares.
a. broker b. student c. teacher d. doctor

Q2. Put (✓) in front of correct sentence and (x) in front of the wrong one.

- Copyright includes web material. (✓)
- Copyright includes only written material. (X)
- Work in data libraries such as the Egyptian Knowledge Bank (EKB) is not approved for use.(X)
- No creator permission is required if the creator has been deceased for at least 50 years.(✓)
- Electronic trading platforms are now. common places. (✓)
- E-trading allows the investor to make trades on their own through websites or applications. (✓)
- "E-trading" refers to work that has been granted permission to share by the creator. () X
- "Creative Commons" is a market where buyers and sellers deal in units of company stocks. (X)
- E-trading provides access to many people who otherwise might not be able to invest. (✓)
- In traditional settings, an investor won't have a broker (X)
- In stock exchange the stocks are called shares. (✓)
- E-trading allows more independence and user-friendly options. (✓)

Theme 2 Lesson 6:**Q1. Choose the correct answer from a, b, d.**

1.....is the on-demand storing and accessing of data and programs via remote servers on the internet.

- ☒ a. Cloud computing b. Phishing c. Remote servers d. Downloading

2. The advantages of cloud computing are

- a. frees up space on your devices
b. allows you to log in and access your files from multiple devices
☒ c. both(a) and(b)
d. you can work in your files without internet

3.....provides an extra layer of security by offering password protected data storage and data encryption.

- ☒ a. Cloud computing b. Shopping c. Remote servers d. Downloading

4.A.....occurs when unauthorized parties gain access to confidential data and information.

- a. data storing b. data copying c. data saving ☒ d. data breach

5. is often a fee-based service.

- a. Website browsing ☒ b. Cloud storage c. Data saving d. Data breach

6 are the disadvantages of cloud computing.

- a. It requires you to have an internet connection
b. Cloud storage is often a fee-based service
☒ c. Both(a) and(b) d. None of them

7. Data..... converts data into a codes to prevent unauthorized users access.

- ☒ a. encryption b. copying c. saving d. breach

8. Providing a backup for your files is.....

- ☒ a. from the advantages of cloud computing
b. from the disadvantages of cloud computing
c. both(a) and (b) d. none of them

Q2. Put(✓)in front of correct sentence and(x) in front of the wrong one.

1. Cloud computing provides an extra layer of security by offering password protected data storage and data encryption. (✓)

2. Remote servers connect users who are using printers to access and manage data, files, and applications via the internet. (X)

3. Google and OneDrive™ are not cloud computing services. (X)

4. Cloud computing is the on-demand storing and accessing of data and programs via remote servers on the internet. (✓)

5. Cloud storage is one of the cloud computing services. (✓)

6. When using PowerPoint, we convert the data into a code to prevent unauthorized user access. (X)

7. For easy work on computer, create separate folders for different types of data. (✓)

8. From the advantages of cloud computing is to have internet connection. (X)

9. Be sure to use a strong password for any account you have on a cloud storage platform. (✓)

Theme 2: Lesson 7:

Q1. Choose the correct answer from a, b, d.

1. are the most popular software that deals with cloud computing applications.
a. Microsoft 365TM b. Google Workspace TM
☒ c. both(a) and (b) d. none of them
2.is storing ,and accessing, data or programs through the internet.
a. Internet b. Switch ☒ c. Cloud computing d. Intranet
3. Microsoft 365 offers a whole suite of productivity apps such as.....
a. Microsoft Teams TM b. Word c. Excel ☒ d. all of them
4. The Microsoft 365 storage application is.....
☒ a. OneDrive b. Word c. Excel d. PowerPoint
5. is used to create blank documents
a. Microsoft Teams TM ☒ b. Word c. Excel d. PowerPoint
6. We use to create presentations.
a. Microsoft Teams TM b. Word ☒ c. PowerPoint d. Excel
7. app is used to browse mailing lists.
a. Microsoft Teams TM b. Word c. PowerPoint ☒ d. Outlook TM
8. allows you to store, share, and access files from any device.
☒ a. OneDrive b. Word c. Excel d. PowerPoint
9. While using the OneDrive app, you can decide what level of access each person you share with such as
a. viewing purposes b. editing ☒ c. both(a) and (b) d. none of them
10. In OneDrive, you can upload.....
a. files only ☒ b. files and folders c. folders only d. subfolders only
11. To save a file in OneDrive, select then save a copy.
☒ a. file menu b. edit menu c. view menu d. help Menu

Q2. Put (✓) or (x)for the following sentences.

1. Cloud computing is storing and accessing data or programs through the internet. () ✓
2. Microsoft 365TM and Google Workspace TM don't include productivity apps and storage. (X)
3. Microsoft 365Tm is one of the most popular software that deal with cloud computing applications. (✓)
4. OneDrive can't help you share work with your friends. (X)
5. PowerPoint is one of the productivities apps(✓)
6. Microsoft 365Tm platform provides everything you need(✓)
7. PowerPoint is used to create bank documents. (X)
8. When using OneDrive, you upload your files and then click on the Share option to share with others. (✓)
9. While using the OneDrive app, you can't decide what level of access each person has. (X)
10. When saving file one OneDrive, you will see the file in your OneDrive, the next time you open the Office app(✓)
11. Through word program, you can draft ideas, a story, or an assignment. (✓)
12. Google Workspace Tm is one of the most popular software that deals with cloud computing applications. (✓)

Theme1 : Lesson 2 Questions

First: Put the word (True) or (False) :-

- 1- Wi-Fi connects network devices to each other wirelessly. ()
- 2- Switches can send data to a specific device over a network. ()
- 3- Artificial Intelligence AI is the computer's ability to think, learn, and deduce. ()
- 4- Networks are groups of devices or things that are connected to each other for a common purpose. ()
- 5- Wireless uses cables which are plugged into port on devices. ()
- 6- SWITCHES device converts the signal from the ISP into a digital signal. ()
- 7- The SWITCHES allows wired devices to connect to a network. ()
- 8- Ai does not need to be provided with information and knowledge related to a specific subject. ()
- 9- Artificial intelligence can write articles on a topic. ()
- 10- Ai technology is unable to give the answers to some possible questions. ()
- 11- Ai works to retrieve the data it was provided with when needed. ()
- 12- Artificial intelligence cannot imitate the actual human voice. ()

Second: Choose the correct answer from the brackets:

- 1- Connects a LAN to the Internet.
a- Modem b- Switches c- QR codes
- 2- is used to send data to a specific device over a network to help speed up the transfer of data.
a- QR code b- Switches c- Modem
- 3- Through you can transfer data via wires and cables
a- Email b- Wireless networks c- Wired networks
- 4- is the ability of a machine such, as a computer, to think, learn.
a- IPS Internet service b- Ports c- Artificial intelligence
- 5- It connects network devices to each other wirelessly.
a- Modem b- Search engines c- Wi-Fi
- 6- It converts the signal from the Internet service provider (ISP) into a digital signal.
a- Port b- Modem c- Switches
- 7- They are groups of devices or things that are connected to each other for a common purpose.
a- Networks b- data c- databases
- 8- There are two types of communication.
a- Wireless Networks b- Wired Networks c- Both
- 9- It uses cables which are plugged into ports on devices.
a- Wireless Networks b- Wired Networks c- Both
- 10- Devices can be connected without wiring
a- Wireless Networks b- Wired Networks c- Both
- 11- They are intelligent devices to connect devices to networks.
a- SWITCHES b- Servers c- HUBS
- 12- It works to imitate voices by providing it with the tone of a natural human voice.
a- Artificial Intelligence b- Applications c- Modem

Theme1 : Lesson 3 Questions

First: Put the word (True) or (False) :-

- 1- Ai is only one of the emerging types of future technology. ()
- 2- AR show a 3-D model of what looks like the real world. ()
- 3- VR can take you to a museum. ()
- 4- A computer learns in Ai by analyzing the provided examples. ()
- 5- Futuristic technologies disrupt the lives of people of determination. ()
- 6- There are some AR Apps that show you how the new furniture will look in your house. ()
- 7- AR does not help Student makes learning more memorable. ()
- 8- AR technologies block out the real world and provides 360-degree views of another world. ()
- 9- You do not need to wear VR headset to immerse yourself in the experience. ()
- 10- Future technology can improve the lives of people of determination. ()

Second: Choose the correct answer from the brackets:

- 1- Is an abbreviation of Artificial intelligence.
a- AR b- Ai c- VR
- 2- It combines the real world with a virtual world by adding computer-generated images.
a- Virtual reality b- Augmented reality, c- Artificial intelligence
- 3- Students can point their smartphone camera at a flat surface and project a 3-D image, by use
a- Virtual reality b- Augmented reality, c- Artificial intelligence
- 4- It is a simulated 3-D environment.
a- VR b- AR c- AI
- 5- That allows users to explore and interact with the surroundings, as if it were reality.
a- VR b- AR c- AI
- 6- It can take you to a historical site hundreds of years ago.
a- VR b- AR c- AI
- 7- It is used to unlock your phone with facial recognition.
a- VR b- AR c- AI
- 8- Visual impairment can use it to see their family members up close.
a- VR b- AR c- AI
- 9- An application that shows you how the new furniture will look in your home is one of the applications.
a- VR b- AR c- AI
- 10- Through this technology, you can take an online tour of King Tut's tomb and walk inside the tomb.
a- Virtual Reality, b- Augmented Reality, c- Artificial Intelligence.

Theme1 : Lesson 4 Questions

First: Put the word (True) or (False) :-

1. Cutting-edge technology is defined as the latest and most advanced version of services or products. ()
2. Assistive technology helps people of determination with tasks. ()
3. Smart Gloves such as the assistive technology. ()
4. There are no evaluation tools we can use. ()
5. User experience is often broken into different areas and can be positive only. ()
6. The goal of the varied of advanced assistive technology is to reduce the independence of people of determination. ()

Second: Choose the correct answer from the brackets:

- 1- Through you can learn about some of the product's features.
a- Tables. b-Email. C- user experience.
- 2- This is the newest and most advanced version of a service or product.
a- Cutting edge technology b- Assistive technology.
c- Alternative technology
- 3- It helps people of determination with tasks they find challenging.
a- Cutting edge technology b- Assistive technology.
c- Alternative technology
- 4- that empower deaf people to translate their signs in real time to spoken or text output.
a- smart gloves b- compound words c- wheelchair
- 5- It describes how people use and interact with a product.
a- Meeting needs b- User experiences c- both
- 6- User experience is often broken into different areas and can be ...
a- positive b- negative c- both
- 7- User experience is interlinked with the development of products and services
a- Meeting needs b- User experiences c- both

Theme1 : Lesson 5 Questions

First: Put the word (True) or (False) :-

- 1- Copy, paste and cut from digital editing tools. ()
- 2- The Library of Alexandria catalog can be used through the library's digital website. ()
- 3- Copy, paste is very useful when used word processing. ()
- 4- One of the tools for digital research is specialized search engines. ()
- 5- Verified online libraries are not digital research tools. ()
- 6- Digital search tools make searches more difficult. ()
- 7- The results for digital research tools will be different. ()

- 8- The results for digital research tools will be similar. ()
- 9- Knowing the results helps inform the research tools used. ()
- 10- Search engines are easy and fast to use. ()
- 11- Search engines show few results. ()
- 12- EKB provides the results will be credible. ()
- 13- A library catalog isn't a database, ()
- 14- You can use other database fields to narrow a search, such as author. ()

Second: Choose the correct answer from the brackets:

- 1- You use when copying, pasting, or cutting information.
a- Digital editing tools. b- QR codes. c- Hyperlink.
- 2- Helps in searching for data on websites.
a- Operating systems b- Search engines c- Programming languages
- 3- Example of a public and reliable database.
a- EKB b- Social networking sites c- Digital research tools
- 4- You can search for some books in the school library by
a- Databases. b- Email. c- Printers.
- 5- It helps you to search internet websites based on keywords.
a- Websites b- Databases c- Search Engines
- 6- They are collections of information which are stored in a computer system.
a- Websites b- Databases c- Search Engines
- 7- It is an example of a general database which covers many subjects.
a- EKB b- Google engine c- Bing
- 8- They include all the items owned by a library.
a- Library catalogs b- Search engine c- websites

Theme1 : Lesson 7 Questions

First: Put the word (True) or (False) :-

- 1- Android is a closed source mobile operating system. ()
- 2- IOS operating system in Apple phones is a closed source. ()
- 3- ROS operating system is one of the advanced OS for operating robots. ()
- 4- Mobile devices have mobile operating systems. ()
- 5- operating system runs computer software only. ()
- 6- Most computers come without OS. ()
- 7- Windows OS is the most popular system. ()
- 8- Web access is not a function of the operating system. ()
- 9- Code of closed-source systems can change. ()
- 10- Code of open-source systems cannot change. ()

- 11- Computer programming languages different. ()
- 12- The similarity of programming languages helps in facilitating the learning of other languages. ()
- 13- HTML is not compatible with all the major web browsers. ()
- 14- HTML allows adding elements such as links and images. ()

Second: Choose the correct answer from the brackets:

- 1- Instructions are given to the computer in the form of code that can be used to create animation.
a- Assistive technology. b- Programming languages. c- Hyperlink tools.
- 2- It is used to create web pages and consists of a series of basic elements such as heading, paragraphs, and links.
a- Databases b- advanced technology. c- HTML
- 3- It is software that manages a computer's functions.
a- Apps b- OS c- Processor
- 4- Operating systems includes accessible devices such as :
a- screen readers , b- magnifiers. C- both
- 5- One of the Operating systems for PC.
a- Windows b- Android c- Apple iOS
- 6- One of the Operating systems and used on Microsoft PCs
a- Windows b- Android c- Apple iOS
- 7- The most popular mobile OS.
a- Windows b- Android c- Apple iOS
- 8- It is used on the iPhone or Apple mobile devices.
a- Windows b- Android c- Apple iOS
- 9- It is an open source operating system .
a- windows b- Android c- Apple iOS
- 10- One of the functions of the mobile phone operating system
a- messaging b- web access c- both
- 11- The programming code can be read or changed by anyone.
a- open-source b- closed source c- both
- 12- It can't be seen or changed by the public.
a- open-source b- closed source c- both
- 13- It is open-source software for building robot applications.
a- Robot Operating System b- Windows c- android
- 14- Instructions to a computer are given in code.
a- Robot Operating System b- Programming language c- Windows
- 15- Over time, programming languages have evolved from to high-level languages.
a- human language b- programming language
c- simple machine language

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5- Text broken up into paragraphs makes it easy for the reader to scan for the information they want.

- a- images b- paragraphs c- hyperlinks

6- Tag used to add paragraphs on a web page.

- a- `<P> </P>` b- `<h1> </h1>` c- `<a> `

7- Tag used to add Largest Heading on a web page.

- a- `<P>` `</P>` b- `<h1>` `</h1>` c- `<a>` ``

8- Tag used to add Hyper link on a web page.

- a- `<P> </P>` b- `<h1> </h1>` c- `<a> `

9- Tag used to *Emphasized text*.

- a- `<P>` `</P>` b- `` `` c- `<i>` `</i>`

10-Tag used to *Add Bold text*.

- a- `<P> </P>` b- `` c- `<i> </i>`

11-Without it a screen reader reads everything on the page without stopping.

- a- VB language b- HTML tags c- machine language

12-With HTML tags a screen reader after every element

- a- stops b- continue c- loops.

13-HTML is a language used to create...

- a- Web pages b- Video files c- Electronic games

14- Used on web pages to attract attention.....

- a- Small Heading b- Paragraphs c- Audios

15- It is used in web pages to trigger different emotions.

- a- Small Heading b- Paragraphs c- Images

16- It is located at the top of the web page and attracts attention.....

- a- Paragraphs b- Pictures c- The largest Heading

Theme2 : Lesson 2 Questions

First: Put the word (True) or (False) :-

- 1- Electronic games, played over the internet, it is fun without problems. ()
- 2- You can play electronic games with friends online. ()
- 3- Electronic games do not help promote critical and creative thinking. ()
- 4- Electronic games encourage teamwork. ()
- 5- Electronic games do not impact your health. ()
- 6- Electronic games do not entail any dangers. ()
- 7- Electronic games entail only psychological dangers. ()
- 8- Over Playing of electronic games affects your sleep cycle. ()
- 9- Electronic games may cause eye strain and headaches. ()
- 10- Electronic games do not cause any back pain. ()
- 11- Bullying is not one of the dangers of electronic games. ()

- 12- Excessive playing of electronic games may cause others to bully you. ()
- 13- You should not share too much personal information. ()
- 14- Large gaming communities are overflowing with cyberbullies. ()
- 15- It is preferable to use the webcam while playing electronic games. ()
- 16- You should eat a healthy diet, meet your friends, and do exercises. ()
- 17- You can share your name and email address online. ()
- 18- Electronic games can strain your relationship with your family. ()

Second: Choose the correct answer from the brackets:

- 1- It can impact your health.
 - a- Educational programs
 - b- Healthy meals
 - c- Electronic games
- 2- Electronic games entail multiple risks, including:
 - a- Security dangers
 - c- Physical dangers
 - c- All of the above
- 3- The impact on your sleep cycle is one of of electronic games.
 - a- Security dangers
 - c- Psychological dangers
 - c- Physical dangers
- 4- Headaches are considered one of the dangers of electronic games
 - a- Security dangers
 - b- Physical dangers
 - c- Psychological dangers
- 5- one of the physical dangers of electronic games...
 - a- Weight gain
 - b- Violence
 - c- Bullying
- 6- Your feeling of loneliness in the real world of electronic games
 - a- Security dangers
 - c- Psychological dangers
 - c- Physical dangers
- 7- Electronic games can generate feelings.....
 - a- Love
 - b- Aggression
 - c- Kindness
- 8- They can cause your information to be leaked and viruses are easily spread.
 - a- Friends
 - b- Strangers
 - c- Hackers
- 9- Your name, email, and address are examples of
 - a- Personal information
 - b- General information
 - c- Confidential information
- 10- When playing online, you should only talk to people.
 - a- They are not known and you do not trust them.
 - b- They are known and you do not trust them.
 - c- They are known and you trust them
- 11- When playing electronically, you must...
 - a- Neglecting time
 - b- Using a camera
 - c- Respecting time periods.
- 12- is considered one of the dangers of electronic games.
 - a- Finding information
 - b- Bullying
 - c- Communicating with friends

Theme2 : Lesson 3 Questions

First: Put the word (True) or (False) :-

- 1- MFA is an ineffective way to protect your devices from theft. ()
- 2- Fingerprint Authentication is an effective way to protect your devices from theft. ()
- 3- Secure passwords with 8 letters only. ()
- 4- To confirm your identity and protect your devices, you can scan your finger. ()
- 5- Facial recognition software allows only your face to unlock your device. ()
- 6- Companies don't need to protect their websites and their customers information .()
- 7- Companies must inform their customers if they have been victims to data theft.()
- 8- If you think your data has been compromised, You should report data theft too.()
- 9- It is preferable that the password consist of numbers only. ()
- 10-Multi-factor authentication requires at least two methods of identification.()

Second: Choose the correct answer from the brackets:

- 1- Passwords with ... random letters, numbers and symbols are the most secure.
a- 8 b- 6 c- 4
- 2- It is requires at least two ways of identifying yourself.
a- PASSWORDS b- MFA c- FACIAL RECOGNITION
- 3- Facial recognition software will scan your face using your device's
a- Keyboard b- Printer c- camera
- 4- It is products your information, so only you can access it on your device
a- PASSWORDS b- ENCRYPTION c- FACIAL RECOGNITION
- 5- It requires companies to use strict security stands to protect their data.
a- The Data Protection Law b- Copyright Law c- Protection from Bullying Law
- 6- If you think your data has been compromised, be should report
a- Hackers c- Piercy c- trusted adult
- 7- Full encryption your information so that no one can access it.
a- protect b- delete c- provide
- 8- Multi-factor authentication requires at least to identify you.
a) Two methods b) Three methods c) One method
- 9- Secure passwords consist of 8.....
a) Random letters, numbers, or symbols. b) Numbers only. c) Letters only

Theme2 : Lesson 4 Questions

First: Put the word (True) or (False):-

- 1- Using safe web browsers helps protect you from hacking. ()
- 2- You must use antivirus to protect your devices. ()
- 3- You can allow anyone to view your social media pages. ()
- 4- You can communicate with people you don't know. ()

- 5- Do not share personal information online. ()
- 6- Use strong passwords and don't change them. ()
- 7- You do not need to Verify information you find to make sure it is accurate. ()
- 8- You may encounter problems while surfing the Internet, such as hacking and bullying. ()
- 9- Malware is a type of cybersecurity threat. ()
- 10- Mobile malware is not problematic. ()
- 11- Spoofing can create email account that has the name of a trusted service. ()

Second: Choose the correct answer from the brackets:

- 1- Verify websites that you frequent are
 - a- real and safe
 - b- age appropriate.
 - c- All the above
- 2- It is to protect networks, devices, and data from electronic attacks.
 - a- Cybersecurity
 - b- Impersonation
 - c- Malware
- 3- It is a type of malware that pretends to be a virus alert.
 - a- Scare ware
 - b- Spoofing
 - c- Antiviruses
- 4- Cyber criminals pretend to be a business, or a known person.
 - a- Scare ware
 - b- Spoofing
 - c- Antiviruses
- 5- it tells you to click on the link to help remove it, but the link is actually the virus.
 - a- Scare ware
 - b- Spoofing
 - c- Antiviruses
- 6- When your account is hacked the passwords for your device, email, and social media accounts.
 - a- Change some
 - b- Change all
 - c- Do not change
- 7- Use software to do a sweep of your computer and remove any viruses.
 - a- Antivirus
 - b- Word
 - c- Excel
- 8- Confirm your security settings are
 - a- Deletion
 - b- up-to-date
 - c- Neglect

Theme2 : Lesson 5 Questions

First: Put the word (True) or (False)-:

- 1- Copyright includes written material only. ()
- 2- Works in EKB is already approved for use and Creative Commons. ()
- 3- Public domain that requires permission from their creator. ()
- 4- must ask for permission before using images or infographics. ()
- 5- In Egypt, there are no law to protect content creators from piracy. ()
- 6- Copyright protects creators and gives them ownership of their work. ()
- 7- The Egyptian stock exchange allows citizens to invest in any market sector. ()
- 8- Smart investors analyze markets to see which companies' stocks go up or down. ()
- 9- **Investor** is a person who handles the buying and selling of shares. ()
- 10- Investors do not depend on financial **Broker**. ()

- 11- Through electronic financial trading, transactions can be executed completely independently through websites or applications. ()
- 12- It is not preferable to use consulting robots during electronic trading. ()
- 13- Facilitating the process of buying and selling company shares is one of the advantages of electronic financial trading. ()

Second: Choose the correct answer from the brackets:

1. It includes written, visual, audio, video, web material.
a- Public Domain b- Copyright c- None of the above
2. It refers to work that has been granted permission to share by the creator.
a- Public Domain b- Copyright c- Creative Commons
3. Egypt considers work if the creator has been deceased for at least 50 years.
a- Public Domain b- Copyright c- Creative Commons
4. The stock market is defined as a market in which buyers and sellers exchange...
a- Websites b- Applications c- Company stocks
5. It is someone's invention, creation or idea, that is protected by law from being copied by someone else.
a- Public Domain b- Copyright c- Creative Commons
6. It is a market where buyers and sellers deal in units of company stocks,
a- Stock Exchange b- E-commerce c- E-marketing
7. This is a person who handles the buying and selling of shares..
a- Investor b- Broker c- Seller
8. Company stocks are called
a- Applications b- Programs c- shares
9. facilitates and speeds up the execution of transactions for companies.
a- Traditional b- Electronic Financial Trading c- Instant
10. A market in which buyers and sellers exchange units of the company's shares is called
a- Commercial market b- Electronic market c- Stock exchange
11. They are online applications that provide guidance and financial services.
a- Scare ware b- Antiviruses c- Robo-advisors

Theme2 : Lesson 6 Questions

First: Put the word (True) or (False):-

- 1- Cloud computing allows users to access files anytime and anywhere easily. ()
- 2- Cloud computing has only positives. ()
- 3- One of the disadvantages of cloud computing is providing backup copies of your files. ()
- 4- You should keep files in separate folders based on their types in cloud storage. ()
- 5- Cloud computing provides an additional layer of security through password-protected data storage and data encryption. ()

- 6- One of the disadvantages of cloud computing is that it requires you to have an Internet connection. ()
- 7- The more storage capacity you need, the higher the amount you will pay for the cloud computing service. ()
- 8- The cloud computing service does not provide the possibility of creating separate folders for different data categories. ()
- 9- Cloud storage services that offer MFA should be ignored. ()
- 10- The storage capacity on your device can be increased by relying on the cloud storage service. ()
- 11- Files stored on the cloud can be accessed without an Internet connection. ()
- 12- There is no risk from using cloud computing. ()
- 13- Files stored on the cloud can be accessed from only one device. ()

Second: Choose the correct answer from the brackets:

- 1- It is an on-demand technology that allows data to be stored and accessed through remote servers over the Internet.
a- Cloud computing b- Stock Exchange c- E-commerce
- 2- Examples of cloud computing service providers
a- Google Drive b- Microsoft OneDrive c- Both
- 3- It enables users who are not connected to the local area network (LAN) to access and manage their data and files via the Internet.
a- Websites b- Remote servers c- Switches
- 4- It converts data into code to prevent unauthorized user access.
a- Data encryption b- Data breach c- Remote servers
- 5- You must create files for all your accounts on cloud storage platforms.
a- Name b- Space c- Strong passwords
- 6- A technology that allows data to be stored and accessed through remote servers over the Internet.
a- Cloud computing b- Holograms c- Artificial intelligence
- 7- The OneDrive application can be accessed via.
a- Microsoft 365 b- Google c- Youtube
- 8- Access by unauthorized parties to confidential data and information is called.
a- MFA b- Cloud computing c- Data breach
- 9- The ability to share files with authorized users of cloud computing.
a- Advantages b- Disadvantages c- None
- 10- Interruption of Internet connection is considered cloud computing.
a- Advantages b- Disadvantages c- None

Theme2 : Lesson 7 Questions**First: Put the word (True) or (False) :-**

- 1- Google Workspace is an example of cloud computing applications. ()
- 2- Microsoft 365 is an example of cloud computing applications. ()
- 3- The Microsoft platform provides its users with productivity applications and storage capacity. ()
- 4- You cannot determine the level of access to your files through the OneDrive application. ()
- 5- Google Workspace can be used to handle cloud computing applications. ()
- 6- Microsoft 365 provides productivity applications such as Word. ()
- 7- Excel is an email application. ()
- 8- The OneDrive application is used for cloud storage. ()
- 9- It is impossible to share files on OneDrive. ()
- 10- The PowerPoint application helps you create a presentation. ()
- 11- OneDrive is easy to access from any device. ()

Second: Choose the correct answer from the brackets:

1. You store data or programs and access them over the Internet.
a- Cloud computing b- Hacking c- Augmented reality
2. Examples of cloud computing applications.
a- Microsoft 365 b- Google Workspace c- Both
3. Microsoft 365 provides a group of productivity applications such as...
a- OneDrive b- Drive c- Youtube
4. it application helps you share your work with your colleagues and access it easily
a- OneDrive b- forms c- Youtube
5. The application helps to create a presentation
a- OneDrive b- PowerPoint c- Teams
6. it application allows you to draft ideas, write a story or complete a task
a- Word b- PowerPoint c- Teams
7. it application is used to prepare a school report.
a-Word b- PowerPoint c- Teams
8. To share files, you must first create files on OneDrive.
a- Upload b- Delete c- Download
9. It is considered the e-mail platform.
a-OneDrive b- Drive c- Outlook

Theme1 : Lesson 2 Questions

First: Put the word (True) or (False) :-

- 1- Wi-Fi connects network devices to each other wirelessly. (t)
- 2- Switches can send data to a specific device over a network. (t)
- 3- Artificial Intelligence AI is the computer's ability to think, learn, and deduce. (t)
- 4- Networks are groups of devices or things that are connected to each other for a common purpose. (t)
- 5- Wireless uses cables which are plugged into port on devices. (f)
- 6- SWITCHES device converts the signal from the ISP into a digital signal. (f)
- 7- The SWITCHES allows wired devices to connect to a network. (f)
- 8- Ai does not need to be provided with information and knowledge related to a specific subject. (f)
- 9- Artificial intelligence can write articles on a topic. (t)
- 10- Ai technology is unable to give the answers to some possible questions. (f)
- 11- Ai works to retrieve the data it was provided with when needed. (t)
- 12- Artificial intelligence cannot imitate the actual human voice. (f)

Second: Choose the correct answer from the brackets:

- 1- Connects a LAN to the Internet.
a- Modem b- Switches c- QR codes
- 2- is used to send data to a specific device over a network to help speed up the transfer of data.
a- QR code b- Switches c- Modem
- 3- Through you can transfer data via wires and cables
a- Email b- Wireless networks c- Wired networks
- 4- is the ability of a machine such, as a computer, to think, learn.
a- IPS Internet service b- Ports c- Artificial intelligence
- 5- It connects network devices to each other wirelessly.
a- Modem b- Search engines c- Wi-Fi
- 6- It converts the signal from the Internet service provider (ISP) into a digital signal.
a- Port b- Modem c- Switches
- 7- They are groups of devices or things that are connected to each other for a common purpose.
a- Networks b- data c- databases
- 8- There are two types of communication.
a- Wireless Networks b- Wired Networks c- Both
- 9- It uses cables which are plugged into ports on devices.
a- Wireless Networks b- Wired Networks c- Both
- 10- Devices can be connected without wiring
a- Wireless Networks b- Wired Networks c- Both
- 11- They are intelligent devices to connect devices to networks.
a- SWITCHES b- Servers c- HUBS
- 12- It works to imitate voices by providing it with the tone of a natural human voice.
a- Artificial Intelligence b- Applications c- Modem

Theme1 : Lesson 3 Questions

First: Put the word (True) or (False) :-

- 1- Ai is only one of the emerging types of future technology. (t)
- 2- AR show a 3-D model of what looks like the real world. (t)
- 3- VR can take you to a museum. (t)
- 4- A computer learns in Ai by analyzing the provided examples. (t)
- 5- Futuristic technologies disrupt the lives of people of determination. (f)
- 6- There are some AR Apps that show you how the new furniture will look in your house. (t)
- 7- AR does not help Student makes learning more memorable. (f)
- 8- AR technologies block out the real world and provides 360-degree views of another world. (f)
- 9- You do not need to wear VR headset to immerse yourself in the experience. (f)
- 10- Future technology can improve the lives of people of determination. (t)

Second: Choose the correct answer from the brackets:

- [illegible]

Theme1 : Lesson 4 Questions

First: Put the word (True) or (False) :-

1. Cutting-edge technology is defined as the latest and most advanced version of services or products. (t)
2. Assistive technology helps people of determination with tasks. (t)
3. Smart Gloves such as the assistive technology. (t)
4. There are no evaluation tools we can use. (f)
5. User experience is often broken into different areas and can be positive only. (f)
6. The goal of the varied of advanced assistive technology is to reduce the independence of people of determination. (f)

Second: Choose the correct answer from the brackets:

- 1- Through you can learn about some of the product's features.
a- Tables. b-Email. C- user experience.
- 2- This is the newest and most advanced version of a service or product.
a- Cutting edge technology b- Assistive technology.
c- Alternative technology
- 3- It helps people of determination with tasks they find challenging.
a- Cutting edge technology b- Assistive technology.
c- Alternative technology
- 4- that empower deaf people to translate their signs in real time to spoken or text output.
a- smart gloves b- compound words c- wheelchair
- 5- It describes how people use and interact with a product.
a- Meeting needs b- User experiences c- both
- 6- User experience is often broken into different areas and can be ...
a- positive b- negative c- both
- 7- User experience is interlinked with the development of products and services
a- Meeting needs b- User experiences c- both

Theme1 : Lesson 5 Questions

First: Put the word (True) or (False) :-

- 1- Copy, paste and cut from digital editing tools. (t)
- 2- The Library of Alexandria catalog can be used through the library's digital website. (t)
- 3- Copy, paste is very useful when used word processing. (t)
- 4- One of the tools for digital research is specialized search engines. (t)
- 5- Verified online libraries are not digital research tools. (f)
- 6- Digital search tools make searches more difficult. (f)
- 7- The results for digital research tools will be different. (t)

- 8- The results for digital research tools will be similar. (f)
- 9- Knowing the results helps inform the research tools used. (t)
- 10- Search engines are easy and fast to use. (t)
- 11- Search engines show few results. (f)
- 12- EKB provides the results will be credible. (t)
- 13- A library catalog isn't a database, (f)
- 14- You can use other database fields to narrow a search, such as author. (t)

Second: Choose the correct answer from the brackets:

- 1- You use when copying, pasting, or cutting information.
a- Digital editing tools. b- QR codes. c- Hyperlink.
- 2- Helps in searching for data on websites.
a- Operating systems b- Search engines c- Programming languages
- 3- Example of a public and reliable database.
a- EKB b- Social networking sites c- Digital research tools
- 4- You can search for some books in the school library by
a- Databases. b- Email. c- Printers.
- 5- It helps you to search internet websites based on keywords.
a- Websites b- Databases c- Search Engines
- 6- They are collections of information which are stored in a computer system.
a- Websites b- Databases c- Search Engines
- 7- It is an example of a general database which covers many subjects.
a- EKB b- Google engine c- Bing
- 8- They include all the items owned by a library.
a- Library catalogs b- Search engine c- websites

Theme1 : Lesson 7 Questions

First: Put the word (True) or (False) :-

- 1- Android is a closed source mobile operating system. (f)
- 2- IOS operating system in Apple phones is a closed source. (t)
- 3- ROS operating system is one of the advanced OS for operating robots. (t)
- 4- Mobile devices have mobile operating systems. (t)
- 5- operating system runs computer software only. (f)
- 6- Most computers come without OS. (f)
- 7- Windows OS is the most popular system. (t)
- 8- Web access is not a function of the operating system. (f)
- 9- Code of closed-source systems can change. (f)
- 10- Code of open-source systems cannot change. (f)

- 11- Computer programming languages different. (f)
 12- The similarity of programming languages helps in facilitating the learning of other languages. (t)
 13- HTML is not compatible with all the major web browsers. (f)
 14- HTML allows adding elements such as links and images. (t)

Second: Choose the correct answer from the brackets:

- 1- Instructions are given to the computer in the form of code that can be used to create animation.
 a- Assistive technology. b- Programming languages. c- Hyperlink tools.
 2- It is used to create web pages and consists of a series of basic elements such as heading, paragraphs, and links.
 a- Databases b- advanced technology. c- HTML
 3- It is software that manages a computer's functions.
 a- Apps b- OS c- Processor
 4- Operating systems includes accessible devices such as :
 a- screen readers , b- magnifiers. c- both
 5- One of the Operating systems for PC.
 a- Windows b- Android c- Apple iOS
 6- One of the Operating systems and used on Microsoft PCs
 a- Windows b- Android c- Apple iOS
 7- The most popular mobile OS.
 a- Windows b- Android c- Apple iOS
 8- It is used on the iPhone or Apple mobile devices.
 a- Windows b- Android c- Apple iOS
 9- It open source operating system .
 a- windows b- Android c- Apple iOS
 10- One of the functions of the mobile phone operating system
 a- messaging b- web access c- both
 11- The programming code can be read or changed by anyone.
 a- open-source b- closed source c- both
 12- it can't be seen or changed by the public.
 a- open-source b- closed source c- both
 13- It is open-source software for building robot applications.
 a- Robot Operating System b- Windows c- android
 14- Instructions to a computer are given in code.
 a- Robot Operating System b- Programing language c- Windows
 15- Over time, programming languages have evolved from to high-level languages.
 a- human language b- programming language
 c- simple machine language

- 

- 1- Electronic games, played over the internet, it is fun without problems. (f)
- 2- You can play electronic games with friends online. (t)
- 3- Electronic games do not help promote critical and creative thinking. (f)
- 4- Electronic games encourage teamwork. (t)
- 5- Electronic games do not impact your health. (f)
- 6- Electronic games do not entail any dangers. (f)
- 7- Electronic games entail only psychological dangers. (f)
- 8- Over Playing of electronic games affects your sleep cycle. (t)
- 9- Electronic games may cause eye strain and headaches. (t)
- 10- Electronic games do not cause any back pain. (f)
- 11- Bullying is not one of the dangers of electronic games. (f)

- 12- Excessive playing of electronic games may cause others to bully you. (t)
- 13- You should not share too much personal information. (t)
- 14- Large gaming communities are overflowing with cyberbullies. (t)
- 15- It is preferable to use the webcam while playing electronic games. (f)
- 16- You should eat a healthy diet, meet your friends, and do exercises. (t)
- 17- You can share your name and email address online. (f)
- 18- Electronic games can strain your relationship with your family. (t)

Second: Choose the correct answer from the brackets:

- 1- It can impact your health.
 - a- Educational programs
 - b- Healthy meals
 - c- Electronic games
- 2- Electronic games entail multiple risks, including:
 - a- Security dangers
 - c- Physical dangers
 - c- All of the above
- 3- The impact on your sleep cycle is one of of electronic games.
 - a- Security dangers
 - c- Psychological dangers
 - c- Physical dangers
- 4- Headaches are considered one of the dangers of electronic games
 - a- Security dangers
 - b- Physical dangers
 - c- Psychological dangers
- 5- one of the physical dangers of electronic games...
 - a- Weight gain
 - b- Violence
 - c- Bullying
- 6- Your feeling of loneliness in the real world of electronic games
 - a- Security dangers
 - c- Psychological dangers
 - c- Physical dangers
- 7- Electronic games can generate feelings.....
 - a- Love
 - b- Aggression
 - c- Kindness
- 8- They can cause your information to be leaked and viruses are easily spread.
 - a- Friends
 - b- Strangers
 - c- Hackers
- 9- Your name, email, and address are examples of
 - a- Personal information
 - b- General information
 - c- Confidential information
- 10- When playing online, you should only talk to people.
 - a- They are not known and you do not trust them.
 - b- They are known and you do not trust them.
 - c- They are known and you trust them
- 11- When playing electronically, you must...
 - a- Neglecting time
 - b- Using a camera
 - c- Respecting time periods.
- 12- is considered one of the dangers of electronic games.
 - a- Finding information
 - b- Bullying
 - c- Communicating with friends

Theme2 : Lesson 3 Questions

First: Put the word (True) or (False) :-

- 1- MFA is an ineffective way to protect your devices from theft. (t)
- 2- Fingerprint Authentication is an effective way to protect your devices from theft. (t)
- 3- Secure passwords with 8 letters only. (f)
- 4- To confirm your identity and protect your devices, you can scan your finger. (t)
- 5- Facial recognition software allows only your face to unlock your device. (t)
- 6- Companies don't need to protect their websites and their customers information (f)
- 7- Companies must inform their customers if they have been victims to data theft.(t)
- 8- If you think your data has been compromised, You should report data theft too.(t)
- 9- It is preferable that the password consist of numbers only. (f)
- 10-Multi-factor authentication requires at least two methods of identification.(t)

Second: Choose the correct answer from the brackets:

- 1- Passwords with ... random letters, numbers and symbols are the most secure.
a- 8 b- 6 c- 4
- 2- It requires at least two ways of identifying yourself.
a- PASSWORDS b- MFA c- FACIAL RECOGNITION
- 3- Facial recognition software will scan your face using your device's
a- Keyboard b- Printer c- camera
- 4- It is products your information, so only you can access it on your device
a- PASSWORDS b- ENCRYPTION c- FACIAL RECOGNITION
- 5- It requires companies to use strict security stands to protect their data.
a- The Data Protection Law b- Copyright Law c- Protection from Bullying Law
- 6- If you think your data has been compromised, be should report
a- Hackers c- Piercy c- trusted adult
- 7- Full encryption your information so that no one can access it.
a- protect b- delete c- provide
- 8- Multi-factor authentication requires at least to identify you.
a) Two methods b) Three methods c) One method
- 9- Secure passwords consist of 8.....
a) Random letters, numbers, or symbols. b) Numbers only. c) Letters only

Theme2 : Lesson 4 Questions

First: Put the word (True) or (False):-

- 1- Using safe web browsers helps protect you from hacking. (t)
- 2- You must use antivirus to protect your devices. (t)
- 3- You can allow anyone to view your social media pages. (f)
- 4- You can communicate with people you don't know. (f)

- 5- Do not share personal information online. (t)
- 6- Use strong passwords and don't change them. (f)
- 7- You do not need to Verify information you find to make sure it is accurate. (f)
- 8- You may encounter problems while surfing the Internet, such as hacking and bullying.(t)
- 9- Malware is a type of cybersecurity threat. (t)
- 10- Mobile malware is not problematic. (f)
- 11- Spoofing can create email account that has the name of a trusted service. (t)

Second: Choose the correct answer from the brackets:

- 1- Verify websites that you frequent are
a- real and safe b- age appropriate. c- All the above
- 2- It is to protect networks, devices, and data from electronic attacks.
a- Cybersecurity b- Impersonation c- Malware
- 3- It is a type of malware that pretends to be a virus alert.
a- Scare ware b- Spoofing c- Antiviruses
- 4- Cyber criminals pretend to be a business, or a known person.
a- Scare ware b- Spoofing c- Antiviruses
- 5- it tells you to click on the link to help remove it, but the link is actually the virus.
a- Scare ware b- Spoofing c- Antiviruses
- 6- When your account is hacked the passwords for your device, email, and social media accounts.
a- Change some b- Change all c- Do not change
- 7- Use software to do a sweep of your computer and remove any viruses.
a- Antivirus b- Word c- Excel
- 8- Confirm your security settings are.....
a- Deletion b- up-to-date c- Neglect

Theme2 : Lesson 5 Questions

First: Put the word (True) or (False)-:

- 1- Copyright includes written material only. (f)
- 2- Works in EKB is already approved for use and Creative Commons. (t)
- 3- Public domain that requires permission from their creator. (t)
- 4- must ask for permission before using images or infographics. (t)
- 5- In Egypt, there are no law to protect content creators from piracy. (f)
- 6- Copyright protects creators and gives them ownership of their work. (t)
- 7- The Egyptian stock exchange allows citizens to invest in any market sector. (t)
- 8- Smart investors analyze markets to see which companies' stocks go up or down. (t)
- 9- **Investor** is a person who handles the buying and selling of shares. (f)
- 10- Investors do not depend on financial **Broker**. (f)

- 11- Through electronic financial trading, transactions can be executed completely independently through websites or applications. (t)
- 12- It is not preferable to use consulting robots during electronic trading. (f)
- 13- Facilitating the process of buying and selling company shares is one of the advantages of electronic financial trading. (t)

Second: Choose the correct answer from the brackets:

1. It includes written, visual, audio, video, web material.
a- Public Domain b- Copyright c- None of the above
2. It refers to work that has been granted permission to share by the creator.
a- Public Domain b- Copyright c- Creative Commons
3. Egypt considers work if the creator has been deceased for at least 50 years.
a- Public Domain b- Copyright c- Creative Commons
4. The stock market is defined as a market in which buyers and sellers exchange...
a- Websites b- Applications c- Company stocks
5. It is someone's invention, creation or idea, that is protected by law from being copied by someone else.
a- Public Domain b- Copyright c- Creative Commons
6. It is a market where buyers and sellers deal in units of company stocks,
a- Stock Exchange b- E-commerce c- E-marketing
7. This is a person who handles the buying and selling of shares..
a- Investor b- Broker c- Seller
8. Company stocks are called
a- Applications b- Programs c- shares
9. facilitates and speeds up the execution of transactions for companies.
a- Traditional b- Electronic Financial Trading c- Instant
10. A market in which buyers and sellers exchange units of the company's shares is called
a- Commercial market b- Electronic market c- Stock exchange
11. They are online applications that provide guidance and financial services.
a- Scare ware b- Antiviruses c- Robo-advisors

Theme2 : Lesson 6 Questions

First: Put the word (True) or (False):-

- 1- Cloud computing allows users to access files anytime and anywhere easily. (t)
- 2- Cloud computing has only positives. (f)
- 3- One of the disadvantages of cloud computing is providing backup copies of your files. (f)
- 4- You should keep files in separate folders based on their types in cloud storage. (t)
- 5- Cloud computing provides an additional layer of security through password-protected data storage and data encryption. (t)

- 6- One of the disadvantages of cloud computing is that it requires you to have an Internet connection. (t)
- 7- The more storage capacity you need, the higher the amount you will pay for the cloud computing service. (t)
- 8- The cloud computing service does not provide the possibility of creating separate folders for different data categories. (f)
- 9- Cloud storage services that offer MFA should be ignored. (t)
- 10- The storage capacity on your device can be increased by relying on the cloud storage service. (t)
- 11- Files stored on the cloud can be accessed without an Internet connection. (f)
- 12- There is no risk from using cloud computing. (f)
- 13- Files stored on the cloud can be accessed from only one device. (f)

Second: Choose the correct answer from the brackets:

- 1- It is an on-demand technology that allows data to be stored and accessed through remote servers over the Internet.
a- Cloud computing b- Stock Exchange c- E-commerce
- 2- Examples of cloud computing service providers
a- Google Drive b- Microsoft OneDrive c- Both
- 3- It enables users who are not connected to the local area network (LAN) to access and manage their data and files via the Internet.
a- Websites b- Remote servers c- Switches
- 4- It converts data into code to prevent unauthorized user access.
a- Data encryption b- Data breach c- Remote servers
- 5- You must create files for all your accounts on cloud storage platforms.
a- Name b- Space c- Strong passwords
- 6- A technology that allows data to be stored and accessed through remote servers over the Internet.
a- Cloud computing b- Holograms c- Artificial intelligence
- 7- The OneDrive application can be accessed via.
a- Microsoft 365 b- Google c- Youtube
- 8- Access by unauthorized parties to confidential data and information is called.
a- MFA b- Cloud computing c- Data breach
- 9- The ability to share files with authorized users of cloud computing.
a- Advantages b- Disadvantages c- None
- 10- Interruption of Internet connection is considered cloud computing.
a- Advantages b- Disadvantages c- None

Theme2 : Lesson 7 Questions

First: Put the word (True) or (False) :-

- 1- Google Workspace is an example of cloud computing applications. (t)
- 2- Microsoft 365 is an example of cloud computing applications. (t)
- 3- The Microsoft platform provides its users with productivity applications and storage capacity. (t)
- 4- You cannot determine the level of access to your files through the OneDrive application. (f)
- 5- Google Workspace can be used to handle cloud computing applications. (t)
- 6- Microsoft 365 provides productivity applications such as Word. (t)
- 7- Excel is an email application. (f)
- 8- The OneDrive application is used for cloud storage. (t)
- 9- It is impossible to share files on OneDrive. (f)
- 10- The PowerPoint application helps you create a presentation. (t)
- 11- OneDrive is easy to access from any device. (t)

Second: Choose the correct answer from the brackets:

1. You store data or programs and access them over the Internet.
a- Cloud computing b- Hacking c- Augmented reality
2. Examples of cloud computing applications.
a- Microsoft 365 b- Google Workspace c- Both
3. Microsoft 365 provides a group of productivity applications such as...
a- OneDrive b- Drive c- Youtube
4. it application helps you share your work with your colleagues and access it easily
a- OneDrive b- forms c- Youtube
5. The application helps to create a presentation
a- OneDrive b- PowerPoint c- Teams
6. it application allows you to draft ideas, write a story or complete a task
a- Word b- PowerPoint c- Teams
7. it application is used to prepare a school report.
a- Word b- PowerPoint c- Teams
8. To share files, you must first create files on OneDrive.
a- Upload b- Delete c- Download
9. It is considered the e-mail platform.
a- OneDrive b- Drive c- Outlook



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للمصف السادس الابتدائي
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محافظة القاهرة
مديرية التربية والتعليم
التوجيه العام للكمبيوتر وتكنولوجيا المعلومات عام / تجريبى



المحور الاول (دور تكنولوجيا المعلومات والاتصالات في حياتنا)

أولاً: أسئلة الصواب والخطأ

ضع (✓) أمام الجملة الصحيحة و (x) أمام الجملة الخطأ

الدرس الثانى	
<input checked="" type="checkbox"/>	١- يتم ربط الشبكات اللاسلكية بدون أسلاك 1-Wireless networks connect without wiring
<input checked="" type="checkbox"/>	٢- تستخدم الشبكات السلكية الأسلاك والكابلات التي يتم توصيلها بمنافذ الأجهزة ports 2-wired networks use physical wiring and cables which are plugged into ports on devices
<input type="checkbox"/>	٣- تستخدم الشبكات اللاسلكية الأسلاك والكابلات المادية التي يتم توصيلها بمنافذ الأجهزة 3-Wireless networks use physical wiring and cables which are plugged into ports on devices
<input checked="" type="checkbox"/>	٤- يقوم المودم بتحويل الإشارة الصادرة من مزود خدمة الإنترنت ISP والتي تتحول إلى إشارة رقمية يمكن قراءتها بواسطة الأجهزة Modem converts the signal from the internet service provider (ISP), which transforms into a digital signal that can be read by devices
<input type="checkbox"/>	٥- المودم يمكنه إرسال بيانات إلى جهاز معين عبر شبكة Modem can send data to a specific device over a network
<input checked="" type="checkbox"/>	٦- المحولات ترسل البيانات للجهاز عبر الشبكة لتيسير التواصل Switches send data to a device over a network to make connections easier
<input checked="" type="checkbox"/>	٧- تعمل شبكات الكمبيوتر على ربط أجهزة الكمبيوتر ببعضها البعض، لتبادل المعلومات والبيانات المهمة Networks connects computers devices to each other to exchange information and important data
<input type="checkbox"/>	٨- الشبكات السلكية تُستخدم لتوصيل الأجهزة باستخدام الواي فاي Wi-Fi



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	Wireless networks is used to connect devices by using WI-Fi
	الدرس الثالث والرابع
<input checked="" type="checkbox"/>	٩- يعمل الذكاء الاصطناعي على تقليد الأصوات من خلال إمداده بنبرة صوت الإنسان الطبيعي AI also works to imitates sounds when provided with the tone of voice of an actual human being
<input checked="" type="checkbox"/>	١٠- تعمل القفازات الذكية على تحسين حياة الصم وأندماجهم في المجتمع smart gloves work on improving lives and inclusion in society of deaf people
<input type="checkbox"/>	١١- لا تصف "تجربة المُستخدم" كيفية استخدام المنتج والتفاعل معه User experience doesn't describe how to use the product and interact with
<input checked="" type="checkbox"/>	١٢- من مجالات تجربة المستخدم أن يكون المنتج مرغوب فيه لتلبية الاحتياجات From user experience fields that the product achieve meeting needs
<input checked="" type="checkbox"/>	١٣- يعرف الذكاء الاصطناعي Ai على انه قدرة الكمبيوتر على التفكير والتعلم. Artificial intelligence (AI) is the ability of the computer to think and learn
<input type="checkbox"/>	١٤- الواقع المعزز يحجب الحياة الواقعية ويوفر رؤية لعالم آخر. Augmented reality blocks out the real world and provides views that in another world.
<input checked="" type="checkbox"/>	١٥- الواقع الافتراضي بيئة افتراضية ثلاثية الأبعاد Virtual reality (VR) is a virtual 3-D environment
<input type="checkbox"/>	١٦- يعمل الواقع الافتراضي على إدراج المحتوى في العالم الحقيقي Virtual reality (VR) combines a content to the real world
<input checked="" type="checkbox"/>	١٧- باستخدام الواقع المعزز، يمكن للطلاب في فصل الرياضيات توجيه كاميرا هواتفهم الذكية نحو سطح مستو وعرض صورة ثلاثية الأبعاد مثل المكعب أو الأسطوانة على السطح. By using augmented reality in a math class student can point their smartphone camera at a flat surface and display a 3-D image like a cube or cylinder onto the surface
<input type="checkbox"/>	١٨- لا يمكن للتقنيات المستقبلية أن تحسن حياة أصحاب الهمم. futuristic technology Can't improve the lives of people of determination



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<input checked="" type="checkbox"/>	١٩ - من خلال الواقع المعزز، يمكن لأي شخص يعاني من ضعف البصر رؤية أفراد عائلته عن قرب. Through augmented reality ,any visually impaired person can see their family members up close
<input checked="" type="checkbox"/>	٢٠ - يوضح لك تطبيق الواقع المعزز كيف سيبدو الأثاث الجديد في منزلك An AR app that shows you how new furniture will look in your house
<input checked="" type="checkbox"/>	٢١ - يجمع الواقع المعزز بين العالم الحقيقي والواقع الافتراضى بإضافة صور باستخدام الكمبيوتر Augmented reality (AR) combines the real world with a virtual world by adding images using computers
<input checked="" type="checkbox"/>	٢٢ - يساعد الواقع المعزز على ترسيخ المعلومات المكتسبة للطلاب AR helps in consolidating the information acquired by students
<input type="checkbox"/>	٢٣ - ضعف البصر يمكنهم استخدام الواقع الافتراضى لرؤية أفراد أسرته عن قرب Visually impaired people can use VR to see their family members up close.
<input checked="" type="checkbox"/>	٢٤ - يساعد الذكاء الاصطناعى ذوى الهمم للقيام بمهامهم اليومية مثل الإتصالات الهاتفية AI help people of determination accomplish everyday like tasks phone calls
<input type="checkbox"/>	٢٥ - الواقع المعزز لايسمح بمشاركة الطلاب AR doesn't allow participant of students
الدرس الخامس	
<input checked="" type="checkbox"/>	٢٦ - قواعد البيانات هي مجموعات من المعلومات التي يتم تخزينها عادةً في نظام الكمبيوتر. Databases are a collection of information which are typically stored in a computer system
<input type="checkbox"/>	٢٧ - هناك طريقة واحدة فقط للحصول على نتائج بحث مفيدة . There are one way to get a useful search results
<input checked="" type="checkbox"/>	٢٨ - النسخ واللصق والقص من أكثر أوامر معالجة الكلمات شيوعاً Copy ,cut ,paste are from the most common editing commands
<input type="checkbox"/>	٢٩ - لا تساعد معرفة النتائج التي تحتاج إليها في تحديد أدوات البحث التي يمكنك استخدامها. Knowing The results that you need doesn't help in defining the search



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	tool which you can use
<input checked="" type="checkbox"/>	٣٠- تساعد محركات البحث على البحث في مواقع الإنترنت بناءً على الكلمات والعبارات الرئيسية Search engines help people to search internet websites based on the key words and phrases.
<input checked="" type="checkbox"/>	٣١- استخدام مهارات التقييم الخاصة بك للتأكد من أن المحتوى الذي تختاره موثوق ودقيق Use your evaluation skills to ensure the content you select is credible and accurate
<input checked="" type="checkbox"/>	٣٢- فهرس المكتبة هو قاعدة بيانات تتضمن جميع العناصر التي تمتلكها المكتبة A library catalog is a database which includes all the items owned by a library
<input type="checkbox"/>	٣٣- يُعد محرك البحث مكانًا جيدًا للبحث عن المعلومات من المجلات والصحف فقط Search engines is a good place to search for information from magazines and newspapers only
<input checked="" type="checkbox"/>	٣٤- يمكنك البحث عن المعلومات من المجلات والصحف من خلال قواعد البيانات الموجودة على جهاز الكمبيوتر في مكتبة المدرسة. You can search for information from magazines and newspapers through the databases on the computer in the school library
<input type="checkbox"/>	٣٥- بنك المعرفة المصري EKB مصدر غير موثوق به للمعلومات Egyptian Knowledge bank(EKB) is untrusted source of information
<input type="checkbox"/>	٣٦- هناك طريقة واحدة فقط للحصول على نتائج بحث مفيدة ويمكنك تضيق نطاق البحث There are only one way to get useful search results and you can narrow search range
<input checked="" type="checkbox"/>	٣٧- يساعد نطاق البحث بتحديد التاريخ في العثور على أحدث الأبحاث Limiting a search range by specifying dates will help you find the most up-to-date research
<input checked="" type="checkbox"/>	٣٨- قواعد البيانات هي مجموعات من المعلومات التي يتم تخزينها عادةً في نظام الكمبيوتر Databases are a collection of information which are typically stored in a computer system
<input type="checkbox"/>	٣٩- يتم استخدام اسم المؤلف او عنوان المجلة لتوسيع نطاق البحث author or journal title, can be used to wide a search range
	الدرس السابع والثامن
<input checked="" type="checkbox"/>	٤٠- يستخدم نظام التشغيل لإدارة وظائف الكمبيوتر. Operating system is used to manages a computer's functions



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<input checked="" type="checkbox"/>	٤١ - تعمل أجهزة كمبيوتر Apple على نظام التشغيل Windows Apple computer devices works on windows operating system
<input checked="" type="checkbox"/>	٤٢ - أشهر برمجيات OSS للهواتف المحمولة هي Android و Apple IOS. The most famous mobile operating system are Android و Apple IOS
<input checked="" type="checkbox"/>	٤٣ - محركات الأقراص وظيفتها إنشاء نسخة ورقية من وثيقة من خلال الكمبيوتر Disk drives function is creating a paper copy from a document through computer
<input checked="" type="checkbox"/>	٤٤ - الأجهزة المساعدة مثل قارئات ومكبرات الشاشة Assistive technology like screen reader and screen magnifier
<input checked="" type="checkbox"/>	٤٥ - يستخدم نظام أندرويد برنامجًا مقفول المصدر Android uses closed-source software
<input checked="" type="checkbox"/>	٤٦ - لا يؤدي كل من نظام أندرويد ونظام تشغيل iOS الوظائف الأساسية نفسها Android and iOS doesn't perform the same basic functions
<input checked="" type="checkbox"/>	٤٧ - يمكن لأي شخص تغيير وقراءة كود البرمجة لنظام أندرويد لأنه مفتوح المصدر Any person can change and read the programming code for android system because it is open source
<input checked="" type="checkbox"/>	٤٨ - نظام تشغيل الروبوت ROS نظام مفتوح المصدر (ROS) is an open-source software used for building robot applications
<input checked="" type="checkbox"/>	٤٩ - لغات البرمجة تُعطى الأوامر لجهاز الكمبيوتر على هيئة كود. Programming languages Instructions to a computer are given in code
<input checked="" type="checkbox"/>	٥٠ - لغات البرمجة هي لغة الآلة البسيطة (النظام الثنائي) فقط Programming languages are the simple machine language (binary system) only
<input checked="" type="checkbox"/>	٥١ - لا يوجد أى تشابه بين لغات البرمج There is no similarity between programming language
<input checked="" type="checkbox"/>	٥٢ - يتم اختيار HTML بشكل شائع لإنشاء موقع الويب Html is commonly chosen to create web pages
<input checked="" type="checkbox"/>	٥٣ - يختار المبرمجون اللغة المناسبة بناءً على الهدف المطلوب. Programmers choose a language based on pursued purpose



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<input checked="" type="checkbox"/>	٥٤ - يسهل تعديل لغة البرمجة وهي ملائمة لكل متصفحات الويب Html is easy to make changes and it is compatible with all web browsers.
<input checked="" type="checkbox"/>	٥٥ - يتم استخدام الوسم ... لجعل النص غامقاً ... tag is used to make a bold font
<input type="checkbox"/>	٥٦ - يستخدم الوسم <h1> ... </h1> لجعل حجم الخط صغير <h1> ... </h1> tag is used to make a small font
<input checked="" type="checkbox"/>	٥٧ - الوسم ... يستخدم لتغيير حجم الخط ... tag is used to change the font size
<input checked="" type="checkbox"/>	٥٨ - يشير الوسم <i>....</i> إلى الكتابة المائلة البارزة. <i>....</i> tag is used to write the italic
<input checked="" type="checkbox"/>	٥٩ - الوسم <p>... </p> يستخدم لإنشاء فقرة. <p>... </p> tag is used to create a paragraph
<input type="checkbox"/>	٦٠ - لا يمكن إدراج فيديو عند إنشاء موقع الويب You cannot insert a video when creating a website



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ثانياً: أسئلة الاختيار من متعدد اختر الإجابة الصحيحة من أ، ب، ج، د.

الدرس الثانى

٦١- ربط الشبكات بدون أسلاك.

أ. السلكى

ب. المودم

ج. اللاسلكى ☒

د. لا شيء منهم

61-..... connect networks without wiring

a) wired b) modem c) **wireless** d) nothing of them

٦٢- عبارة عن مجموعات من الأجهزة أو الأشياء المرتبطة ببعضها البعض لغرض مشترك.

أ. الهاتف المحمول

ب. الشبكات ☒

ج. أجهزة الكمبيوتر

د. لوحة المفاتيح

62-..... a groups of devices or things connected together for a common purpose

Aa) mobile b) **networks** c) computer d) keyboard

٦٣- تحويل الإشارة من مزود خدمة الإنترنت ISP إلى إشارة رقمية.

أ. الكمبيوتر

ب. المودم ☒

ج. جهاز التوجيه

د. المحول



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63-..... converts the signal from the internet service provider (ISP), to digital signal

- a) computer b) modem c) router d) switch

٦٤ - هي الأجهزة التي يمكن ربطها بالإنترنت.

- أ. أجهزة الكمبيوتر المكتبية
ب. أجهزة الكمبيوتر المحمولة
ج. الأجهزة الذكية
د. كلهم ☒

64-..... are the devices that can be connected to internet

- a) desktop computer b) laptop computer c) smart devices d) all of them

٦٥ - يؤدي مهام معقدة تحاكي تفكير وأداء العنصر البشري.

- أ. الواقع الافتراضي
ب. الذكاء الاصطناعي ☒
ج. الواقع المعزز
د. الأنترنت

65-..... Perform complex tasks that simulate the thinking and performance of the human

- A) virtual reality B) artificial intelligence C) augmented reality d) internet

٦٦ - يعمل على تقليد الأصوات من خلال إمداد نبضة صوت الإنسان الطبيعي.

- أ. الذكاء الاصطناعي ☒
ب. الأنترنت
ج. المحول
د. لا شيء منهم



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66-..... works to imitates sounds when provided with the tone of voice of an actual human

A) artificial intelligence B) internet c) switch d) nothing of them

٦٧- تستخدم الشبكات السلكية الأسلاك والكابلات المادية التي يتم توصيلها بـ على الأجهزة.

أ. المنافذ ☒

ب. مودم

ج. أجهزة التوجيه

د. مفاتيح

67- Wired networks use physical wiring and cables which are plugged into

..... on devices A) Ports b) modem c) router d) keys

٦٨- جهاز يربط شبكة محلية LAN بالإنترنت.

أ. المودم ☒

ب. الحاسوب محمول

ج. جهاز التوجيه

د. الخادم

68-..... a device that connects a local area network (LAN) to the

Internet a) modem b) laptop c) router d) server

الدرس الثالث والرابع

٦٩- يعمل على إدراج المحتوى - أو وضعه - في العالم الحقيقي .

أ. الواقع التقليدي

ب. الواقع الافتراضي

ج. الواقع المعزز ☒

د. لا شيء منهم

69-..... combines a content to the real world



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a)traditional reality b) virtual reality c)augmented reality d)nothing of them

٧٠- يتم استخدامها في التعليم والحياة اليومية

أ. الواقع المعزز

ج. الذكاء الاصطناعي

ب. الواقع الافتراضي

د. كلهم ☒

70-..... Are used in education and daily life

a) augmented reality b)artificial intelligence c) virtual reality d)all of them

٧١-يجمع بين العالم الحقيقي والعالم الافتراضي عن طريق إضافة الصور باستخدام أجهزة الكمبيوتر.

أ. الواقع المعزز ☒

ج. الذكاء الاصطناعي

ب. الواقع الافتراضي

د. كل من (أ) و (ب)

71-..... Combines the real world with a virtual world by adding images using computers.

A) Augmented reality b) artificial intelligence c) virtual reality d) both a,b

٧٢- يمكن القيام بذلك من خلال كاميرا الهاتف الذكي أو الجهاز اللوحي وسيظهر ما يشبه العالم الحقيقي.

أ. نموذج ثلاثي الأبعاد ☒

ب. نموذج ثنائي الأبعاد

ج. نموذج رباعي الأبعاد

د. نموذج خماسي الأبعاد

72-This can be done through a smartphone camera or a tablet and will show of what the real world looks like



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A) **3-D model** b) 2-D model C) 4-D model d) 5-D model

٧٣- هي بيئة افتراضية ثلاثية الأبعاد تتيح للمستخدمين استكشاف المناطق المحيطة والتفاعل معها كما لو كانت حقيقة.

أ. الواقع التقليدى

ب. المنفذ

ج. ☒ الواقع الافتراضي

د. لا شيء منهم

73is a virtual 3-D environment that allows users to explore and interact with the surroundings, as if it were reality

A)traditional reality b)Ports c)**virtual reality** d) nothing of them

٧٤- غالبًا ما يرتدي مستخدمو الواقع الافتراضي لإنشاء عمليات المحاكاة وحجب العالم الحقيقي

أ. سماعة الرأس

ب. مكبرات الشاشة

ج. ☒ سماعة الواقع الافتراضي

د. لا احد منهم

74- users often wearthat blocks out the real world to create a simulate

a) headset b) screen magnifier c)**VR headset** d) nothing of them

٧٥- في الفصل الدراسي يمكن أن يأخذك إلى عالم تكون فيه الحشرات والذرات أكبر منك، حتى تتمكن من دراستها عن قرب.

أ. الواقع المعزز

ب. ☒ الواقع الافتراضي

ج. الواقع التقليدى

د. كلاهما (ب) و (ج)

75- In the classroom, can take you to a world where insects and atoms are bigger Than you, so that you can study them closely



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- a) Augmented reality b) virtual reality c) traditional reality d) both a and b

٧٦- هو الإصدار الأحدث والأكثر تقدماً من الخدمة أو المنتج.

أ. الواقع المعزز

☒ ب. التكنولوجيا المتطورة

ج. الذكاء الاصطناعي

د. التكنولوجيا المساعدة

76the latest and most advanced version of a service or product

- a) augmented reality b) cutting edge technology
c) artificial intelligence d) assistive technology

٧٧- يساعد أصحاب الهمم مثل برامج تكبير الشاشة ووسائل السمع

أ. الواقع المعزز

ب. أحدث التقنيات

ج. الذكاء الاصطناعي

☒ د. التكنولوجيا المساعدة

77-help people of determination

- a) augmented reality b) the latest technology
c) artificial intelligence d) assistive technology

٧٨- برامج تكبير الشاشات ووسائل السمع وبرامج تحويل الكلام إلى النص والنص إلى كلام أمثلة على

أ. الواقع المعزز

ب. أحدث التقنيات

☒ ج. التكنولوجيا المساعدة

د. الذكاء الاصطناعي

78-screen magnification software, hearing aids, and programs that turn
speech to text and text to speech are examples of



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- a) augmented reality b) the latest technology
c) assistive technology d) artificial technology

٧٩- القفزات الذكية التي تمكن الصم من ترجمة إشاراتهم في الوقت الحقيقي إلى الإخراج المنطوق أو النصي
تمثل

أ. الواقع المعزز

ب. أحدث التقنيات

ج. ☒ التكنولوجيا المساعدة

د. الذكاء الاصطناعي

79- smart gloves that empower deaf people to translate their signs in real time
to spoken or text output

- a) augmented reality b) the latest technology
c) assistive technology d) artificial technology

٨٠- تصف كيفية استخدام الأشخاص للمنتج وتفاعلهم معه، وكيفية تقييم تجاربهم.

أ. ☒ تجارب المستخدم

ب. تلبية الاحتياجات

ج. كلاهما

د. لا احد منهم

80- describe how people use the product and interact with it,
and how to evaluate Their experience

- a) user experiences b) meeting needs
c) both a,b d) none of them

٨١- تمكن من تحسين حياة الأشخاص ذوي الهمم

أ. التكنولوجيا التقليدية



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☒ ب. التكنولوجيا المستقبلية

ج. الكتب التقليدية

د. لا شيء منهم

81-..... can improve the lives of people of determination

a)traditional technology b)**futuristic technology** c) traditional books d)none of them

٨٢- يستخدم لفتح هاتفك بواسطة نظام التعرف على الأوجه

أ. الواقع المعزز

☒ ب. الذكاء الاصطناعي

ج. الواقع الافتراضى

د. لا شيء منهم

82 -is used to unlock your phone with facial recognition

a) augmented reality b) **artificial technology** c) virtual reality d)none of them

٨٣- تمكن الاشخاص الصم من ترجمة اشاراتهم فوراً الى مخرج نصى او منطوق

☒ أ. القفازات الذكية

ب. الكمبيوتر اللوحي

ج. الواقع الافتراضى

د. لا شيء منهم

83- empower deaf people to translate their signs to text or spoken output

a) **smart gloves** b) laptop c) virtual reality d)none of them

٨٤- يتوقع الكلمة التى ستكتبها من خلال الكلمات التى كتبتها من قبل

☒ أ. الذكاء الاصطناعي



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ب. الواقع المعزز

ج. الواقع الافتراضى

د. لا شيء منهم

84- it predicts the word you will write from words you have written previously

a) artificial technology b) augmented reality c) virtual reality d) none of them

٨٥- يمكن من خلاله زيارة موقع أثري قديم يبعد آلاف الأميال

أ. الذكاء الاصطناعى

ب. الواقع المعزز

ج. ☒ الواقع الافتراضى

د. لا شيء منهم

85-Through you can visit an ancient historical site thousands of miles away

a) augmented reality b) artificial technology

c) virtual reality d) none of them

٨٦- يمكن لذوى الهمم استخدام المساعدين الشخصيين الافتراضيين المفعلين بواسطة الذكاء الاصطناعى

لإنجاز المهام اليومية مثل

أ. الاتصالات الهاتفية

ب. اجهزة الكمبيوتر باستخدام اصواتهم او لغة الاشارة

ج. كل من (أ) و(ب) ☒

د. لا شيء منهم

86-people of determination can use virtual assistants powered by AI to accomplish everyday tasks such as

a) making phone calls



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- b) navigating their computer using their voice or sign language
c) both a, b d) none of them

الدرس الخامس

٨٧- هي بعض أوامر معالجة النصوص الأكثر استخدامًا

أ. نسخ

ب. لصق

ج. قص

د. كلهم ☒

87-are some of the most commonly used word processing

Commands

- a) copy b) paste c) cut d) all of them

٨٨- تساعد في البحث عن المعلومات، والنتائج الصادرة عن كل منها تكون مختلفة.

أ. البحث عبر الإنترنت

ب. محرّكات البحث المتخصصة

ج. المكتبات الإلكترونية

د. كلهم ☒

88- Help in searching for information, but the results will be

Different

- a) Internet searches b) specialized search engines
c) online libraries d) all of them

٨٩- تساعد محرّكات البحث الأشخاص على البحث في مواقع الإنترنت بناءً

أ. الكلمات

ب. العبارات



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- ج. كلاً من أ و ب ☒
د. لاشيء منهم

89-help people to search internet websites based on

- a) key words b) phrases c) d) **both a ,b** d) none of them

٩٠- فهرس المكتبة هو التى تشمل كافة العناصر المملوكة للمكتبة.

أ. العناوين

ب. المحركات البحثية

ج. قاعدة البيانات ☒

د. لاشيء منهم

90-A library catalog is a which includes all the items owned by a

- Library a) addresses b) search engines c) **database** d) none of them

٩١- يمكنك البحث عن المعلومات من المجلات والصحف من خلال

أ. محركات البحث

ب. قواعد البيانات ☒

ج. فهرس المكتبة

د. لاشيء منهم

91-You can also search for information from magazines and newspapers
through.....

- a) search engines b) **database** c) library catalog d) none of them

٩٢- هو مثال لقاعدة بيانات عامة تغطي العديد من المواضيع

أ. بنك المعرفة المصري

ب. مكتبة الاسكندرية

ج. كلاً من أ و ب ☒

د. لاشيء منهم

92-.....example of a general database which covers many subjects

- a) Egyptian knowledge bank b) Library of Alexandria
c) **both of a,b** d) none of them



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٩٣- للحصول على نتائج بحث مفيدة ولتضييق نطاق البحث يمكنك

- أ. البحث باسم المؤلف
ب. البحث بالعنوان
ج. البحث بالتواريخ
د. كلهم ☒

93-To get useful search result and narrow the search range you can

- a) searching by author b) searching by journal title
c) searching by date d) all of them

الدرس السابع

٩٤- هو البرنامج الذي يدير وظائف الكمبيوتر.

- أ. نظام التشغيل ☒
ب. مستكشف ويندوز
ج. قواعد البيانات
د. كلهم

94-the software that manages a computer's functions

- a) Operating system b) windows explorer c) database d) all of them

٩٥- يشمل نظام التشغيل البرامج المساعدة مثل

- أ. مكبرات الصوت
ب. قارئ الشاشة
ج. كلا من أ و ب ☒
د. لاشيء منهم

95-Operating system includes accessible software such as.....

- a) screen readers b) screen magnifiers c) both a, b d) nothing of them

٩٦- تعمل أجهزة كمبيوتر "أبل" على نظام تشغيل

- أ. macOS ☒

ب. Microsoft Windows



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ج. كلاً من أ و ب

د. لاشيء منهم

96- Apple computers run on.....

- a) **macOS** b) Microsoft Windows c) both a ,b d) none of them

٩٧- وظيفتها إنشاء نسخة ورقية من وثيقة من خلال الكمبيوتر او الشبكة

أ. الذاكرة

ب. محرّكات الأقراص

ج. الطابعات ☒

د. كلهم

97- The function ofis creating a paper copy from a document

Through computer or network a)memory b) disk drives c) **printers** d)all of them

٩٨- أشهر برمجيات أنظمة تشغيل للهواتف المحمولة هي

أ. أندرويد ☒

ب. أبل IOS

ج. كلا من أ و ب

د. ويندوز

98-The most famous mobile operating system are.....

- a) **Android** b) Apple IOS c) both of a ,b d) none of them

٩٩- يستخدم البرمجيات مفتوحة المصدر.

أ. أندرويد

ب. Apple iOS

ج. كل من (أ) و (ب) ☒

د. ويندوز

99- use open source software

- a) Android b) Apple IOS c) **both of a ,b** d) windows

١٠٠- تعني أن الشخص لا يستطيع تغيير وقراءة كود البرمجة.



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أ. البرمجيات مفتوحة المصدر

☒ ب. البرمجيات مغلقة المصدر

ج. كلا أ و ب

د. لا احد منهم

100.....means that a person can't change and read the programming code

a)open source programs b)closed source programs c)both a ,b d)none of them

١٠١- هو برنامج مفتوح المصدر يستخدم لبناء تطبيقات الروبوت.

☒ أ. نظام تشغيل ROS

ب. نظام تشغل السيارات ذاتية القيادة

ج. OSR

د. لاشيء منهم

101- is an open-source software used for building robot applications

a)ROS operating system b) operating systems powering self-driving cars

c) OSR d) none of them

١٠٢- يشير إلى التعليمات الموجهة إلى جهاز الكمبيوتر والتي يتم تقديمها في التعليمات البرمجية.

أ. نظام تشغيل ROS

ب. نظام تشغل السيارات ذاتية القيادة

☒ ج. لغات البرمجة

د. لاشيء منهم

102-..... refers to Instructions which given to a computer are given in code

a)ROS operating system b) operating systems powering self-driving cars



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c) programming language d) none of them

الدرس الثامن

١٠٣ - هي لغة البرمجة القياسية المستخدمة في إنشاء صفحات الويب

☒ أ. HTML

ب. ROS

ج. HDML

د. لاشيء منهم

103..... is the standard programming language which is used to
create webpages A) HTML b)ROS c)HDML d)none of them

١٠٤ - يصف HTML بنية صفحة الويب ويتكون من سلسلة من العناصر مثل

أ. العناوين

ب. الفقرات

ج. الروابط

☒ د. كلهم

104 - It describes the structure of a web page and consists of a series of
elements such as

a) address b)paragraph c)links d) all of them

١٠٥ - تقرأ مستندات مكتوبة بلغة ترميز النص التشعبي وتعرض المحتوى وفقاً لوسم لغة ترميز

النص التشعبي HTML tag .

☒ أ. متصفحات الويب

ب. أنظمة التشغيل

ج. القارئ الإلكترونية

د. لا شيء منهم

105..... read HTML documents and display the content according to the
content the HTML tag



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a) web browser b) operating system c) screen readers d) none of them

١٠٦- يشير وسم `<h1>.....</h1>` إلى

أ. أكبر عنوان ☒

ب. عنوان فرعي

ج. عنوان فرعي أصغر

د. إنشاء فقرة

106- `<h1>.....</h1>` tag refers to.....

a) largest head b) subheading c) Smaller Subheading d) create paragraph

١٠٧- يشير وسم `<h6>.....</h6>` إلى

أ. أكبر عنوان

ب. عنوان فرعي

ج. عنوان فرعي أصغر ☒

د. إنشاء فقرة

107- `<h6>.....</h6>` tag refers to.....

a) largest head b) subheading c) Smaller Subheading d) create paragraph

١٠٨- يشير وسم `<a>...` الى

أ. إنشاء ارتباط تشعبي ☒

ب. تغيير النص إلى تسطير

ج. تغيير النص إلى غامق

د. تغيير النص إلى مائل

108- `<a>...` tag refers to.....

a) create hyper link b) underline font c) strong font d) italic font

١٠٩- يشير وسم `.....` إلى

أ. أكبر عنوان



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☒ ب. خط عريض

ج. عنوان فرعي أصغر

د. إنشاء فقرة

109- refers to

a) largest head b) **strong font** c) Smaller Subheading d) create paragraph

١١٠- يشير وسم إلى.....

☒ أ. لون الخط

ب. خط عريض

ج. عنوان فرعي أصغر

د. إنشاء فقرة

110- refers to

a) **font color** b) strong font

c) Smaller Subheading d) create paragraph

المحور الثانى (احتياطات الأمن والسلامة الرقمية)



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أولاً: أسئلة الصواب والخطأ

ضع (✓) أمام الجملة الصحيحة و (X) أمام الجملة الخطأ
الدرس الثانى - كيفية التعامل مع الألعاب الإلكترونية

<input checked="" type="checkbox"/>	١١١ - الألعاب الإلكترونية تساعد على تعزيز التفكير الناقد والإبداعي Electronic games help to promote critical and creative thinking
<input checked="" type="checkbox"/>	١١٢ - هناك عدة مخاطر للألعاب الإلكترونية مثل المخاطر الأمنية There are many dangers from electronic games like Security dangers
<input type="checkbox"/>	١١٣ - من الضروري عدم التقيد بالفترات التي وضعها والديك للعب على شبكة الإنترنت. It is necessary that you don't accept limits that your parents set to play gaming online
<input checked="" type="checkbox"/>	١١٤ - زيادة الوزن من مخاطر الألعاب الإلكترونية gaining weight from electronic games dangers
<input type="checkbox"/>	١١٥ - جميع الألعاب الإلكترونية لا تشجع على العنف . All electronic games don't encourage violence
<input checked="" type="checkbox"/>	١١٦ - الألعاب الإلكترونية تشجع على العمل الجماعي. Electronic games encourage teamwork
<input checked="" type="checkbox"/>	١١٧ - الألعاب الإلكترونية قد تجهد عينيك وتسبب الصداع. Electronic games can strain your eyes, and cause headaches
<input checked="" type="checkbox"/>	١١٨ - قد يؤثر الإفراط في اللعب على دورة نومك Playing too often can affect your sleep cycle
<input type="checkbox"/>	١١٩ - لا تقبل أبداً الحدود التي وضعها والديك لمنع عادات الألعاب غير الصحية don't accept limits that your parents set to prevent unhealthy gaming habits
<input checked="" type="checkbox"/>	١٢٠ - الألعاب الإلكترونية قد تبقيك منتعشاً وتمنعك من النوم. Electronic games may keep you stimulated and prevent you from falling asleep
	الدرس ٣ : حماية نفسك من السرقة الرقمية
<input checked="" type="checkbox"/>	١٢١ - لا تترك أجهزتك في خطر من خلال عدم اتخاذ احتياطات السلامة المناسبة Don't leave your devices at risk by not taking proper safety precautions
<input checked="" type="checkbox"/>	١٢٢ - التحقق من بصمة الإصبع، نوع من المصادقة، للتأكد من هويتك



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	FINGERPRINT AUTHENTICATION is a type of authentication confirming it's you.
<input checked="" type="checkbox"/>	١٢٣ - يمكنك حماية أجهزتك من السرقة عن طريق تعيين كلمة مرور بسيطة. You can protect your devices by setting a simple password
<input checked="" type="checkbox"/>	١٢٤ - ستقوم المصادقة متعددة العوامل MFA بفحص إصبعك كوسيلة للتأكد من هويتك MFA authentication will scan your finger, as a way of confirming it's you
<input checked="" type="checkbox"/>	١٢٥ - يمكنك حماية أجهزتك من سرقة البيانات عن طريق تعيين كلمة مرور قوية. You can protect your devices from stealing data by setting a strong password
<input checked="" type="checkbox"/>	١٢٦ - تتطلب المصادقة متعددة العوامل MFA طريقتين على الأقل لتحديد هويتك MFA requires at least two ways of identifying yourself
<input checked="" type="checkbox"/>	١٢٧ - تتطلب المصادقة متعددة العوامل ثلاث طرق على الأقل لتعريف هويتك. MFA requires at least three ways of identifying yourself
<input checked="" type="checkbox"/>	١٢٨ - كلمات المرور يجب أن تحتوى على حروف وارقام ورموز عشوائية Strong password must contain letters, numbers and random symbol
<input checked="" type="checkbox"/>	١٢٩ - كلمات المرور الضعيفة تكون أكثر من ثمانية أحرف Weak Passwords are more than eight letter
<input checked="" type="checkbox"/>	١٣٠ - تتطلب المصادقة من المستخدمين إدخال كلمة مرور فقط. MFA requires from users entering password only
<input checked="" type="checkbox"/>	١٣١ - التشفير يعمل على حماية معلوماتك لكي تستطيع أنت فقط الوصول إليها Encryption protects your information so only you can access it
<input checked="" type="checkbox"/>	١٣٢ - يجب على الشركات الإبلاغ على الفور إذا وقعوا ضحية لسرقة البيانات Companies must report immediately if they've been victims of data theft
	الدرس ٤ : الأمن السيبراني
<input checked="" type="checkbox"/>	١٣٣ - من احتياطات السلامة عند التعامل مع الإنترنت عدم مشاركة المعلومات الشخصية عبر الإنترنت From online safety precautions don't share personal information online
<input checked="" type="checkbox"/>	١٣٤ - استخدم تطبيق word لإجراء مسح لجهاز الكمبيوتر الخاص بك وإزالة أي فيروسات. Use word application to do a sweep of your computer and remove any viruses
<input checked="" type="checkbox"/>	١٣٥ - ليس من المهم أن تقوم بإبلاغ شخص تثق به عن التهديدات التي تتعرض لها



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	It is not important to Report the threat that you face to a trusted person
<input checked="" type="checkbox"/>	١٣٦- لا تتواصل مع الأشخاص الذين لا تعرفهم أو الذين يشعرونك بعدم الارتياح Do not communicate with people you don't know or who make you feel uncomfortable
<input type="checkbox"/>	١٣٧- استخدام كلمات المرور الضعيفة أحد احتياطات السلامة عند التعامل مع الإنترنت Using weak passwords is from online safety precautions
<input checked="" type="checkbox"/>	١٣٨- من طرق حماية جهازك من التهديدات تثبيت برامج الحماية من الفيروسات. From the ways to protect your device from threats is installing anti-virus
<input checked="" type="checkbox"/>	١٣٩- البرمجيات الخبيثة على الأجهزة المحمولة تمثل مشكلة. Mobile malware is considered a problem
<input checked="" type="checkbox"/>	١٤٠- من استراتيجيات السلامة التحقق من أن المواقع التي تتردد عليها حقيقية وآمنة ومناسبة للعمر. From online safety strategies. Verify websites that you frequent are real, safe, and age appropriate
	الدرس ٥ : حقوق الطبع والنشر والتداول المالي الإلكتروني
<input checked="" type="checkbox"/>	١٤١- تشمل حقوق الطبع والنشر مواد شبكة الإنترنت Copyright includes web material
<input checked="" type="checkbox"/>	١٤٢- لا يلزم الحصول على إذن منشئ المحتوى إذا كان المؤلف متوفياً منذ ٥٠ عاماً على الأقل، No creator permission is required if the creator has been deceased for at least 50 years
<input type="checkbox"/>	١٤٣- الأعمال الموجودة في مكتبات البيانات، مثل بنك المعرفة المصري EKB غير معتمده للاستخدام. Work in data libraries such as the Egyptian Knowledge Bank (EKB) is not approved for use
<input type="checkbox"/>	١٤٤- "المشاع الإبداعي" هو سوق يتعامل فيه البائعون والمشترون في وحدات من أسهم الشركة. Creative Commons is a market where buyers and sellers deal in units of company stocks
<input checked="" type="checkbox"/>	١٤٥- البورصة هي سوق يتبادل فيها الشراء والبائعون وحدات من أسهم الشركة A stock exchange is a market where buyers and sellers deal in units of company stocks.
<input checked="" type="checkbox"/>	١٤٦- الحقوق الفكرية اختراع، أو ابتكار، أو فكرة لشخص ما يحميها القانون من أن ينسخها شخص آخر



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	copyright (Intellectual property) is someone's invention, creation or idea, that is protected by law from being copied by someone else
<input checked="" type="checkbox"/>	١٤٧ - "التداول الإلكتروني" يشير إلى العمل الذي تم منح الإذن بمشاركته من قبل المبدع. electronic financial trading refers to work that has been granted permission to share by the creator.
<input checked="" type="checkbox"/>	١٤٨ - غالبًا ما يعتمد المستثمرون في البيئات التقليدية على الوسطاء الماليين it is often in traditional environment that investors use a broker
<input checked="" type="checkbox"/>	١٤٩ - لا تشمل حقوق الطبع مقاطع الفيديو Copyright doesn't includes videos
<input checked="" type="checkbox"/>	١٥٠ - تتيح البورصة المصرية للمواطنين فرصة الاستثمار في قطاع البترول فقط The Egyptian stock exchange allows citizens to invest in petroleum only
<input checked="" type="checkbox"/>	١٥١ - يبحث المستثمرون الأذكياء عن شركات متعددة قبل اختيار الشركة التي يستثمرون فيها Smart investors will research multiple companies before deciding which company to invest in
<input checked="" type="checkbox"/>	١٥٢ - مع انتشار الإنترنت، أصبحت منصات التداول الإلكتروني أمرًا شائعًا With the spread of the internet, electronic trading platforms are now common place
<input checked="" type="checkbox"/>	١٥٣ - التداول المالي الإلكتروني مكّن المستثمرين من تنفيذ الصفقات باستقلالية تامة E-trading allows investors to make trades on their own in more independence
<input checked="" type="checkbox"/>	١٥٤ - التداول المالي الإلكتروني يسهّل على الشركات تنفيذ الصفقات بسرعة أينما وجدت في العالم E-trading is easier for different companies to trade faster, no matter where they are located.
	الدرس ٦ : تخزين الملفات على السحابة
<input checked="" type="checkbox"/>	١٥٥ - الحوسبة السحابية هي تخزين البيانات والبرامج والوصول عبر خوادم بعيدة على الإنترنت. Cloud computing is the on-demand storing, and accessing, of data and programs via remote servers on the internet
<input checked="" type="checkbox"/>	١٥٦ - من مميزات الحوسبة السحابية توفير الاتصال بالإنترنت



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	From the advantages of cloud computing is providing internet connectivity
<input checked="" type="checkbox"/>	١٥٧- تأكد من استخدام كلمة مرور قوية لأي حساب لديك على منصة التخزين السحابية. Be sure to use a strong password for any account you have on a cloud storage platform
<input checked="" type="checkbox"/>	١٥٨- توفر الحوسبة السحابية طبقة إضافية من الأمان بتوفير تخزين البيانات المحمية بكلمة مرور وتشفير البيانات Cloud computing provides an extra layer of security by offering password protected data storage and data encryption.
<input type="checkbox"/>	١٥٩- OneDrive ليس من تطبيقات الحوسبة السحابية. One drive is not one of cloud computing application
<input checked="" type="checkbox"/>	١٦٠- التخزين السحابي هو إحدى خدمات الحوسبة السحابية. Cloud storage is one of the cloud computing services
<input checked="" type="checkbox"/>	١٦١- الحوسبة السحابية ليس لها علاقة بتوفير الاتصال بالإنترنت. Cloud computing has nothing to do with providing internet connectivity
<input checked="" type="checkbox"/>	١٦٢- يجب التأكد من استخدام كلمة مرور قوية لجميع حساباتك على الإنترنت You must make sure to use strong password for all your online accounts
<input checked="" type="checkbox"/>	١٦٣- من عيوب الحوسبة السحابية أنها تتطلب توفر اتصال ثابت بالإنترنت From cloud computing disadvantages requiring that you to have a stable internet connection
<input checked="" type="checkbox"/>	١٦٤- إذا وقعت الخدمة السحابية التي تستخدمها ضحية اختراق للبيانات، تصبح أنت أيضًا ضحية ذلك If the cloud service you are using is a victim of a data breach, you become a victim as well
<input checked="" type="checkbox"/>	١٦٥- يتيح لك امتلاك نظام إدارة مستندات تنظيم مستنداتك بطريقة تسهل عليك إيجادها بسرعة. Having a document management system allows you to organize your documents so it is quick and easy to find them
<input type="checkbox"/>	١٦٦- خدمات التخزين السحابي الكبيرة لا تقدّم خيار المصادقة متعددة العوامل. A large cloud storage service, doesn't provide Multi-Factor Authentication (MFA)
	الدرس ٧ : تطبيقات الحوسبة السحابية



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<input checked="" type="checkbox"/>	١٦٧- برنامج التيمز من البرامج التى يوفرها مايكروسوفت ٣٦٥ . Microsoft Teams™ is from the applications which provided by Microsoft 365™
<input checked="" type="checkbox"/>	١٦٨- تتيح لك منصّة One Drive تخزين ملفّاتك ومشاركتها، والوصول إليها من أيّ جهاز. One Drive allows you to store, share, and access your files from any device
<input type="checkbox"/>	١٦٩- يصعب تحديد مستوى الوصول الممنوح لكلّ فرد، فى الدريف للإطلاع أو التحرير It is difficult to decide the level of access for each person in drive to view or editing
<input type="checkbox"/>	١٧٠- يتم تحميل البيانات على one drive من خلال download Files are uploaded on one drive from Download
<input checked="" type="checkbox"/>	١٧١- يساعدك برنامج البوربوينت فى اوفيس ٣٦٥ على إنشاء عرض تقديمى PowerPoint in Microsoft 365 TM help you create a presentation
<input checked="" type="checkbox"/>	١٧٢- يعد Microsoft 365 TM أحد أشهر البرامج التى تتعامل مع تطبيقات الحوسبة السحابية Microsoft 365 TM is one of the most popular software that deal with cloud computing applications.
<input type="checkbox"/>	١٧٣- تطبيقات الحوسبة السحابية لا تساعدك فى مشاركة العمل مع أصدقائك. cloud computing applications can't help you share work with your friends.
<input checked="" type="checkbox"/>	١٧٤- من خلال برنامج word يمكنك صياغة أفكار أو قصة أو واجب. Through Microsoft Word you can draft ideas , a story, or an assignment
<input checked="" type="checkbox"/>	١٧٥- تتمكّن من رؤية ملفّاتك فى OneDrive عندما تقوم بفتح تطبيق أوفيس بعد رفعها You can see your files in your One Drive, when you open the Office app after uploaded it
<input type="checkbox"/>	١٧٦- عند استخدام برنامج Excel ، نقوم بتحويل البيانات الى رمز لمنع الوصول غير المصرح به للمستخدم. When using excel program , we convert data into symbols to prevent unauthorized user accessing

ثانياً: أسئلة الاختيار من متعدد اختر الإجابة الصحيحة من أ، ب، ج، د.



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الدرس الثانى - كيفية التعامل مع الألعاب الإلكترونية

١٧٧- عند ممارسة الألعاب عبر الإنترنت، لا تضع معلومات شخصية، مثل.....

أ. اسمك الكامل كاسم المستخدم الخاص بك

ب. عنوان بريدك الإلكتروني

ج. كل من (أ) و (ب) ☒

د. لا احد منهم

177-when playing online games do not use your personal information like.....

a) your full name b) your E-mail c) both a, b d) none of them

١٧٨- كل ممايلى من القواعد التى يجب اتباعها للحد من المخاطر الألعاب ماعدا.....

أ. اللعب مع الأشخاص الذين تعرفهم وتثق بهم

ب. عدم استخدام كاميرا الويب

ج. عدم استخدام المعلومات الشخصية

د. عدم اللجوء لاسرتك لمساعدتك ☒

178- all of the following are from the rules which must be followed to limit gaming dangers except.....

a) playing games with people you know and trust b) do not using a webcam

c) do not use personal information d) do not resort to your family

١٧٩- الألعاب الإلكترونية، يمكن أن تكون ممتعة للغاية، ولكن من الممكن أن تكون هناك

مشاكل في لعب هذه الألعاب مثل

أ. التمر الإلكتروني

ب. القرصنة

ج. الترفيه

د. كلا من (أ) و (ب) ☒

179- electronic games can be a lot of fun, but there may be a problems when playing like a) bullied b) Hacking c) entertainment d) both a, b



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١٨٠- هناك عدة عيوب للألعاب الإلكترونية مثل

- أ. المخاطر الجسدية
ب. مخاطر نفسية
ج. المخاطر الأمنية
د. كلهم ☒

180- there are several disadvantages of electronic games like.....

- a) Physical dangers b) Psychological dangers
c) Security dangers d) all of them

١٨١- الألعاب الإلكترونية يمكن أن ترهق وتسبب الصداع.

- أ. اليد
ب. الذراع
ج. العيون ☒
د. الرجل

181- electronic games can strain your, and cause headaches

- a) hand b) arm
c) eyes d) leg

١٨٢- , من المخاطر النفسية للألعاب الإلكترونية

- أ. الشعور بالوحدة ☒
ب. اجهاد عينيك
ج. تؤثر على دورة نومك
د. هجوم المتسللين

182-, is from Psychological dangers

- a) feeling lonely b) strain your eyes
c) affect your sleep cycle d) hackers attack

١٨٣- , من المخاطر الجسدية للألعاب الإلكترونية

- أ. زيادة الوزن



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ب. اجهاد العين

ج. مشكلات فى الظهر

د. كلهم ☒

183-..... from Physical dangers

a) gaining weight b) straining eyes

c) cause back problems d) **all of them**

١٨٤ - قد يتولد لديك مشاعر القلق والاكتئاب أثناء استخدام الألعاب الإلكترونية نتيجة.....

أ. الشعور بالوحده

ب. تنمر الآخرين

ج. تزايد العدوانية

د. كلهم ☒

184- You may become anxious and depressed during playing electronic games because.....

a) feeling lonely, b) other bulled

c) promote violence d) **all of them** .

١٨٥ - من المخاطر النفسية للألعاب الإلكترونية أنها تروج لل.....

أ. التسلية

ب. العنف ☒

ج. التعلم

د. كلهم

185-from electronic gams Psychological dangers that it promote for.....

A)entertainment b) **violence**

c) education d)all of them

١٨٦ - يمكن للألعاب ، على وجه الخصوص، أن تشكل خطراً أمنياً كبيراً.

أ. متعددة اللاعبين ☒



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ب. متعددة المستويات

ج. المسلية

د. لا احد منهم

186-especially the..... games can pose a significant security danger

- a) multiplayer b) multilevel
c) entertaining d) none of them

الدرس ٣ : حماية نفسك من السرقة الرقمية

١٨٧- عند إنشاء كلمة المرور، يجب عليك استخدام

- أ. ☒ حروف وارقام وعلامات خاصة
ب. حروف فقط
ج. أرقام فقط
د. حرف وعلامات خاصة

187- when creating a password you must use

- A) letters , numbers and especial symbols b) letters only
c) numbers only d) letter and especial symbols

١٨٨- تتطلب المصادقة متعددة العوامل MFA ما لا يقل عن طرق لتحديد هويتك.

- أ. ☒ اثنان
ب. ثلاثة
ج. أربعة
د. خمسة

188- MFA requires at least ways of identifying yourself

- A) two b) three
c) four d) five

١٨٩- كل مما يلى كلمات مرور قوية ما عدا

أ. pl@yRoblox41hour



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ب. HaNana.\$abdo27

☒ ج. thanks123

د. A1way\$aYthank.u

189- all the following are strong passwords except.....

a) pl@yRoblox41hour b) HaNana.\$abdo27 c) thanks123 d)

A1way\$aYthank.u

١٩٠ - سوف يقوم بمسح وجهك باستخدام كاميرا جهازك.

أ. المصادقة على بصمات الأصابع

ب. ارقام التعريف الشخصية

☒ ج. التعرف على الوجه

د. مصادقة متعددة العوامل

190- will scan your face using your device's camera

a)finger print authentication b)PIN

c) Facial recognition d)MFA

الدرس ٤ : الأمن السيبراني

١٩١ - تأكد من أن المواقع التي تتردد عليها

أ. حقيقية

ب. آمنة

ج. مناسبة لعمر

☒ د. كلهم

191- Verify that the websites that you frequent are

a) real b) safe,

c) age appropriate d) all of them

١٩٢ - من الأمثلة على الأمن السيبراني

أ. استخدام متصفحات الإنترنت الآمنة



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ب. استخدام كلمات مرور قوية

ج. التحقق من المعلومات التي تجدها

د. كلهم ☒

192- from cyber security examples are.....

a) Use safe web browsers

b) Use strong passwords

c) Verify information you find

d) all of them

١٩٣ - هو نوع من البرامج الضارة التي تتظاهر بأنها فيروس.

أ. المتصفح

ب. الموقع الإلكتروني

ج. برامج التخويف ☒

د. الانتحال

193-.....type of malware that pretends to be a virus alert

a) browser b) website

c) scare ware d) spoofing

١٩٤ - من أنواع التهديدات السيبرانية.....

أ. البرمجيات الخبيثة

ب. انتحال الصفة:

ج. برمجيات الهواتف الذكية الخبيثة

د. كلهم ☒

194- types of cyber threats -.....

a) malware b) spoofing

c) mobile malware d) all of them

١٩٥ - استخدم للقيام بعملية مسح لجهاز الكمبيوتر الخاص بك وإزالة أي

أضرار.

أ. المتصفح



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ب. نظام التشغيل

ج. مكافحة الفيروسات ☒

د. برنامج كلمة

195-Use..... software to do a sweep of your computer and remove any harms

- a) browser b) operating system
c) antivirus d) word program

١٩٦ - لحماية جهاز الكمبيوتر الخاص بك من تهديدات الأمن السيبراني،

أ. استخدام مكافحة الفيروسات

ب. تأكد من أن إعدادات الأمان الخاصة بك محدثة

ج. تغيير كلمات المرور كل فترات معينة

د. كلهم ☒

196- to protect your device against cyber threats.....

- A) use anti-virus b) be sure that your security setting is updated
c) change the passwords each period of time d) all of them

١٩٧ - هو أكبر تهديد للأمن السيبراني.

أ. البرامج المكتبية

ب. البرامج الضارة ☒

ج. كلاً من أ وب

د. لا احد منهم

197-is the greatest cyber security threat

- a) office programs b) malware
c) both a, b d) none of them



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١٩٨- إذا نقرت على روابط غير آمنة، فأنت في خطر تعرض.....

- أ. معلوماتك للخطر ☒
ب. صحتك للخطر
ج. عملك للخطر
د. لا احد منهم

198- If you click on unsafe links you are in danger of

- a) having your information compromised b) your health in danger
c) your work in danger d) nothing of them

الدرس ٥ : حقوق الطبع والنشر والتداول المالي الإلكتروني

١٩٩- تشمل حقوق التأليف والنشر المواد

- أ. المكتوبة والمرئية
ب. الصوتية
ج. الفيديو
د. كلهم ☒

199-copyright(Intellectual property) include

- a) written and visual b) audio
c) video d) all of them

٢٠٠- اختراع أو فكرة لشخص ما يحميها القانون يتم نسخها من قبل شخص آخر.

- أ. الملكية الفكرية ☒
ب. القرصنة
ج. المشاع الإبداعي
د. التعلم الإلكتروني

200- is someone's invention, creation or idea, that is protected By law from being copied by someone else

- a) copyright (Intellectual property) b) hacking



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c) creative common

d)electronic learning

٢٠١ - يشير إلى العمل الذي تم منح الإذن بمشاركته من قبل المبدع.

- ☒ أ. المشاع الإبداعي
ب. حقوق النشر
ج. القرصنة
د. كل منهم

201-.....refers to work that has been granted permission to share by the creator. A) **Creative Commons** b) copyright c) hacking d)all of them

٢٠٢ - جعل عملية بيع وشراء الأسهم أكثر كفاءة.

- ☒ أ. التداول الإلكتروني
ب. السوق الإلكتروني
ج. التعلم الإلكتروني
د. البريد الإلكتروني

202-made the process of buying and selling shares more efficient,

- a) electronic financial trading b) electronic market
c) electronic education d) E_mail

الدرس ٦: تخزين الملفات على السحابة

٢٠٣ - هو التخزين والوصول إلى البيانات والبرامج على سطح الأرض عبر خوادم

بعيدة على شبكة الإنترنت.

- ☒ أ. الحوسبة السحابية
ب. التصيد
ج. الخوادم البعيدة
د. جارى التحميل

203- is the on-demand storing, and accessing, of data and programs via

Remote servers on the internet



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- a) Cloud computing b) phishing c) faraway servers d) loading

٢٠٤ - غالباً ما تكون خدمة مقابل رسوم.

أ. تصفح الموقع

ب. التخزين السحابي ☒

ج. توفير البيانات

د. خرق البيانات

204-is often a fee-based service

- a) website navigation b) Cloud computing c) saving data d) hacking data

٢٠٥ - ومن الأمثلة على مزودي خدمة الحوسبة السحابية من خلال تطبيق

أ. شركة مايكروسوفت ٣٦٥

ب. شركة جوجل

ج. كلا من أ و ب ☒

د. لا أحد منهم

205- from the software that provide cloud computing..... applications

- A) Microsoft 365™ b) Google Workspace™

- c) both a ,b d) none of them

٢٠٦ - البيانات تحويل البيانات إلى رموز لمنع وصول المستخدمين غير المصرح

لهم.

أ. تشفير ☒

ب. نسخ

ج. لصق

د. لا أحد منهم

206-converts data into a code to prevent unauthorized user access

- a) Data encryption b) copy c) paste d) none of them

٢٠٧ - توفير نسخة احتياطية لملفاتك هو



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- أ. من مميزات الحوسبة السحابية ☒
ب. من عيوب الحوسبة السحابية
ج. عيوب للكمبيوتر
د. لا احد منهم

207- saving a backup copy of your files is

- a) cloud computing advantages b) cloud computing disadvantages
c) computer disadvantages d) none of them

الدرس ٧: تطبيقات الحوسبة السحابية

٢٠٨ - يقدم Microsoft 365 مجموعة كاملة من تطبيقات الإنتاجية مثل

- أ. مايكروسوفت تيمز TM
ب. وورد
ج. اكسل
د. كلهم ☒

208-.....Microsoft 365™ offers a whole suite of productivity apps such as like

- a) Microsoft Teams™ b) word
c) excel d) all of them

٢٠٩ - نستخدم لإنشاء العروض التقديمية.

- أ. مايكروسوفت تيمز TM
ب. وورد
ج. باور بوينت ☒
د. اكسل

209- we use tocreate a presentation

- a) Microsoft Teams™ b) word c) power point d) excel

٢١٠ - يستخدم التطبيق لتصفح القوائم البريدية.

- أ. مايكروسوفت تيمز TM



بنك اسئلہ (٢١٥ سؤال)
للفصف السادس الابتدائي
لمادة الكمبيوتر وتكنولوجيا المعلومات

محافظة القاهرة
مديرية التربية والتعليم
التوجيه العام للكمبيوتر وتكنولوجيا المعلومات عام / تجريبى

ب. برنامج وورد

ج. عرض تقديمي

☒ د. أوتلوك TM

210 –application is used to browse E-mails lists

a) Microsoft Teams™ b) word c) power point d) outlook

٢١١ - عندما تختار يفتح أمامك مستنداً فارغاً يسمح لك بتدوين أفكارك

أ. مايكروسوفت تيمز TM

☒ ب. برنامج وورد

ج. عرض تقديمي

د. أوتلوك TM

211- when you chooseopen a blank document allows you to draft ideas

a) Microsoft Teams™ b) word

c) power point d) outlook

٢١٢ - تتيح لك منصة OneDrive

أ. تخزين ملفاتك

ب. مشاركة ملفاتك

ج. الوصول إلى الملفات من أيّ جهاز

☒ د. كلهم

212- OneDrive allows you to.....

a)store your files

b) share your files

c) access files from any device

d)all of them

٢١٣ - فى منصة OneDrive يمكنك تحميل

أ. مجلدات

ب. ملفات

ج. مجلدات فراعية

☒ د. كلهم



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213- in onedrive platform you can upload

- a) folders b) files c) sub folders d) **all of them**

٢١٤ - لحفظ ملف فى OneDrive حدد ثم قم بحفظ نسخة

- أ. قائمة ملف ☒
ب. قائمة تحرير
ج. قائمة عرض
د. قائمة مساعدة

214- to save a file in onedrive select then save a copy

- a) **file menu** b) edit menu c) view menu d) help menu

٢١٥ - يمكنك تحديد مستوى الوصول لـ OneDrive لكل ملف تشاركه مثل.....

- أ. مشاهدة فقط
ب. تحرير
ج. مشاهدة وتحرير
د. كلهم ☒

215- You can decide what level of access for each file you share

like.....

- a) viewing only b) editing c) viewing and editing d) **all of them**

إعداد

د/ حنان عبد القادر محمد
مراجعة وترجمة أ/آمال عزب

Theme 1 Lesson 2 Computer Network Devices

- **Networks:-** They are **groups of devices or things** that are **connected** to each other for a common purpose.
- There are **two** main ways to **connect computers** to a **network**:

Wired networks	Wireless Networks
They use physical wirings and cables , which are plugged into holes on devices, called ports .	They connect devices without wirings (wireless or Wi-Fi).

Network Devices

1. **Modem:** - It's a device that connects a **local area network (LAN)** **to the Internet**. It converts the **signal** from the Internet service provider (**ISP**) and **transforms** the signal into a **digital signal** that can be read by devices.
2. **Switches:** - They can **send data** to a **specific device** over a network, which helps make connections **easier** and **faster**.
3. **Router:** - It works as a **gateway**. It **connects** a **modem** to **different networks**.

Artificial Intelligence (AI):- is a comprehensive term for **computer applications that perform complex tasks that simulate the thinking and performance of the human element**, such as:-

- 1- The ability to learn and reason. By providing these technologies with **information** and **knowledge related to a subject**, and **possible answers** to all possible questions, such as **writing an article**.
- 2- **AI** also works to **imitates sounds** when provided with the **tone** of **voice** of an **actual human being**.

Lesson 3 Futuristic Technology

1. Virtual Reality (VR):-

- It is a **virtual 3D environment** that allows users to **explore and interact with the surroundings as if they were in reality**.
- Users often wear a **VR headset** that blocks out the real world and provides **360-degree views** that immerse the user in another world.
- **For example: -**
 - In the classroom, VR can take you to a world where **insects and atoms are bigger than you**, so that you can **study** them closely.
 - It can take you to a **museum thousands of miles away**, or to a **historical site hundreds of years ago**.

2. Augmented Reality (AR):-

- Augmented reality (AR) **combines the real world with a virtual world** by adding images using computers. This can be done through the **camera** of a **smartphone** or a **tablet**. **For example: -**
- Students in a math class can **project** a **3-D image** like a **cube** or **cylinder** onto the **surface**.
- **AR helps students become active participants in learning and makes learning more memorable.**

3. Artificial intelligence (AI):-

- It is the **ability of a computer, to think, learn and deduce**. The computer learns by analyzing the available examples. **For example: -** It **predicts** the word you will **write** from words you have written previously. **Unlock your phone with facial recognition.**

How can futuristic technology improve everyday life?

Futuristic technologies can also improve the lives of people of determination. **For example:-**

- Visually impaired people can use AR to see their family members up close.
- Disabled individuals can use virtual assistants powered by AI to accomplish everyday tasks, such as making phone calls and navigating their computer using their voice or sign language.

Lesson 4 Evaluating Cutting-Edge Technology

- Cutting-edge technology:- It's the latest and most advanced version of a service or product. Ex: Virtual Reality (VR) Augmented Reality (AR) Artificial intelligence (AI)
- How can we use cutting edge technology in education?

It helps people of determination with tasks they find challenging, Ex.

- Screen magnification software
- Hearing aids.
- Programs that turn speech into text and text into speech.
- smart gloves

The assistive technology smart gloves: that empower deaf people to translate their signs in real time to spoken or text output.

- User Experiences (UX): is how to use the product and interact with it, and how to evaluate the experience. It can be positive or negative.

- There are 7 factors to evaluate the products:

- ✓ **Accessible:** Is it accessible for people of determination?
 - ✓ **Credible:** Are the company and its products trustworthy?
 - ✓ **Desirable:** Does the product meet your needs?
 - ✓ **Findable:** If there is an issue with the project or service, can I find the solution?
 - ✓ **Usable:** Is it easy to use?
 - ✓ **Useful:** Is it practical?
 - ✓ **Valuable:** Does this product improve my life or help me learn?
- **Meeting Needs :** User experience is interlinked with the development of products and services. **cutting-edge assistive technology is used to improve someone's independence, and inclusion in society.**

Lesson 5 Digital Research Skills

- **Useful Digital Editing Tools:** Copy, cut, and paste are very useful when with **Text, Images or Information.**
- **Digital search tools**
- Internet searches, specialized search engines, and verified online libraries all search for information, but the results will be different.
- 1) **Search engine:** Help people search internet websites based on keywords and phrases.
- They are user-friendly, very fast, and often give many results.
 - Evaluate the content you select to be credible and accurate.
- 2) **Databases:** are collections of information which are typically stored in a computer system and can be accessed for free through your school library.

- You can search for information from **magazines** and **newspapers**.
- A **database** is a **good place** to search.
- **General database example:** - The **EKB** which covers many subjects the results will be **credible and accurate**.

3) **Library catalogs:** It is a database that includes all the items owned by a library.

- A library catalog search may include **recently published books**, including **e-books** with the most **recent research** about a subject.

Ex: The catalog of the Library of Alexandria. <https://www.bibalex.org>.

✚ Conducting a Database Search

When you search any database Use a **keyword search**.

- **Review** the results for **subject headings** and **redo** with those **terms**.
- You can use other **database fields**, such as **author** or **journal title** to **narrow a search**.
- **Limiting a search range** by specifying **dates** will help you find the most **up-to-date research**.

Lesson 7 MOBILE OPERATING SYSTEMS

Operating systems (OS): the **software that manages a computer's functions, such as memory, drives, printers, and other devices.**

- It also includes accessible devices such as **screen readers** and **magnifiers**.
- It runs the **computer software** and **hardware**.
- Allowing a user to **communicate** with the computer easily.
- Most computers come **pre-loaded** with an operating system. For example, popular **Microsoft Windows** is on **most computers worldwide**, while **Apple computers** run on **macOS**.

Mobile operating systems

Android	Apple IOS
Open-source operating system (Which means a person can change and read the programming code.)	Closed-source operating system (It can't be seen or changed by the public.) used on the iPhone and iPad

- Both Android and iOS perform the same basic functions, such as messaging, web access, and video chat and touch function.

Cutting-edge operating systems:

- ❖ The **Robot Operating System (ROS)** is an open-source software used for building robot applications.
- ❖ And there are multiple operating systems powering **self-driving cars**, including those developed by **Apple CarPlay** and **WindowsTM Automotive** as well as individual car companies.
- ❖ Programming languages: Instructions for a computer are given in code.
 - Over time, programming languages have evolved from simple machine language (binary) to high-level human-like languages.
 - Computer languages often **share similarities**, so once you learn one, it is easier to learn others.
 - Programmers choose a language **based on purpose**.
 - Programming languages are usually **open source**. Anyone can see, modify, or distribute the code.
- ✚ Programmers use Hyper Text Markup Language (HTML) to create web pages. HTML is commonly chosen for website creation because it is easy to learn and use.

- HTML allows creators to add elements such as **text**, **links**, **images**, **audio**, and even **videos** to their web page.
- It is easy to make **changes** and it is **compatible** with all the **major web browsers**.

Lesson 8 Website design

Hyper Text Markup Language (HTML) is the standard programming language used to create web pages.

- It describes the structure of a web page
- It consists of a series of elements (building blocks of web pages)
 1. **Headings**
 2. **Paragraphs**
 3. **Links**
 4. **Images**
- **Web browsers** read **HTML documents** and display the content according to the **HTML tag**.
- **HTML codes are called Tags**
- Tags have three main parts:

An opening tag 2- The content. 3- Closing tag.

Some examples for html tags:

Element	Html tags
Largest heading	<code><h1> Largest heading </h1></code>
Subheading	<code><h2>Subheading </h2></code>
Smaller subheading	<code><h6>Smaller Subheading</h6></code>
Paragraph	<code><p></code> = to create a paragraph <code></p></code> = ending of paragraph tag.
Font Size	<code></code>
Font Color	<code></code>

Hyperlink	<code> Visit EKB </code>
Bold text	<code>Bold text </code>
Emphasized text (italic)	<code><i> Emphasized text </i></code>

Website design

- HTML elements **break up web pages** to make them **easier** to **scan**, **read**, and **navigate**.
- HTML code can also help people with **low vision** to **distinguish** between **parts** of a web page.
- Using **large headings** at the top of the page **catches attention**.
- Using **images** **attract attention** and trigger different **emotions**.
- **Subheadings** make the **text easy to scan** so the reader can **find information** he wants.

Theme 2 Lesson 2 HOW TO DEAL WITH ELECTRONIC GAMES

Electronic games which are played over the internet with friends, can be a lot of **fun** to play. They can help to **promote critical and creative thinking**, and **encourage teamwork**.

1. Physical dangers

1. Playing too often can **affect your sleep cycle**. It may keep you **stimulated** and **prevent you from falling asleep**.
2. It can **strain your eyes**, cause **back problems** because you stay hunched over while playing, and cause **headaches**.
3. There's also a danger of **gaining weight**, because you may not be exercising or eating properly while playing electronic games.

2. Psychological dangers

1. You may become **anxious** and **depressed** because you feel **lonely** in the real world, or because you are being **bullied online**
2. Electronic games can make some people **aggressive**, as some games **promote violence**.
3. Electronic games can **prevent** some players from **thinking rationally** when facing situations.
4. All of these factors can **negatively affect your relationship** with **family** and **friends**.

3. Security dangers

1. Multiplayer games, in particular, can **put your security at risk**.
2. If you **share** too much **personal information**, strangers may be able to access your **name**, **email**, **phone number**, and **address**.
3. Large gaming communities are filled with **cyberbullies**.
4. **Hackers** can cause your information to be **leaked** and **viruses** are easily spread.

Responsible gaming: limit the dangers you are exposed to by:

1. Only **playing games** and **chatting** with people you **know** and **trust**.
2. **Not** using **personal information** in your **username** and **passwords**.
3. **Not** using a **webcam**.
4. You should also **accept limits** that your **parents** set to prevent unhealthy gaming habits. For example

(Make sure that gaming does not replace real-life activities like spending time with your family, meeting friends, homework, maintaining a healthy diet, getting enough exercise or sleep.)

5. When you do **encounter dangers**, don't be afraid to **tell** your **parents**. They want to help you.

Lesson 3 Protecting Yourself from Digital Theft

It is irresponsible to leave your devices at risk by not taking proper safety precautions.

How protect your devices from theft?

1. **Passwords:** - with 8+ random letters, numbers and symbols are the most secure.
2. **Multi-factor Authentication (MFA):** - requires at least two ways of identifying yourself, through passwords, pins, and Security codes or personal questions.
3. **Fingerprint Authentication:** - This type will scan your finger, usually your thumb, as a way of confirming it's you.
4. **Facial recognition:** - It will scan your face using your device's camera.
5. **Full Disk Encryption:** - scrambles your information and can only be accessed on your device if you have set a password.

+ Data Protection Law in Egypt

- Companies are in particular need to protect their websites and their customers' information.
- Egypt formed the Data Protection Law to protect its citizens.
- Companies must report if they've been victims of data theft, and let their customers know.
- Individuals should report data theft too.
- If you think your data has been compromised, make sure to tell parent or trusted adult, they can let the proper authorities know.
- You should also tell the family and friends you communicate with online.

Lesson 4 CYBER SECURITY

Online safety choices and strategies:-

1. Use **safe web browsers**, such as Google (Google Chrome).
2. Use **antivirus** protection on your devices.
3. **Do not communicate** with **people** you **don't know** or who make you feel uncomfortable.
4. **Do not share** your **personal information** online.
5. Use **strong passwords** and change them every three months.
6. **Verify** that the **websites** that you frequent are **real**, safe, and **age-appropriate**.
7. **Verify** the **information** you **find** to make sure it is **accurate**.

✚ **Cybersecurity** is defined as the **protection** of **systems**, **networks**, **devices**, and **data** from **electronic attacks** that they may be subjected to when using **information and communication technology applications**.

Types of cyber security threats

1) **Malware**: is the greatest cyber security threat.

Scareware: is a type of malware that pretends to be a virus alert.

It tells you to click on the link to help remove it, but the link is actually the virus!

- Mobile malware is also problematic and unsecured Wi-Fi, for example, can open you up to malware threats

2) **Spoofing**: Cyber criminals pretend to be a business, or a known person, in order to trick you to provide your information, or click on unsafe links.

- If you click on **unsafe links**, you are in danger of having your information **compromised**, **money stolen**, or **viruses** installed on your devices.
- Examples of spoofing are a **fake domain pretending** to be a **business**, or an **email account** that has the **name** of a **trusted service**, or even **personal acquaintances** of yours.

How to deal with cyber security threats

1. **Stay calm**, but take swift action.
2. Let your **contacts** know right away so they **avoid** opening anything suspicious.
3. Use **anti-virus** software to do a sweep of your computer and remove any viruses.
4. Confirm your **security settings** are **up-to-date**.
5. Change your **passwords** - your **device** password, **email**, **social media**.
6. It is best to **change all your passwords**, even if you think you have only been hacked on one particular account.
7. **Report** the threat to a **trusted adult**. ISP or authorities.
8. Creating a **personal online safety plan** can prepare you for potential future issues.

Lesson 5 COPYRIGHT AND ELECTRONIC FINANCIAL TRADING

Copyright (intellectual property rights)

- Intellectual property is someone's **invention**, **creation** or **idea** that is protected by law from being copied by someone else.

Such as: an individual or a business.

- Copyright includes **written**, **visual**, **audio**, **video**, and **web material**.

- **Creative Commons:** It refers to work that has been granted permission to share by the creator.

Work in data libraries, such as the (EKB) is already approved for use.

- **Public Domain:** Egypt considers work public domain if the creator has been deceased for at least 50 years. No creator permission is required.

Electronic financial trading

A stock exchange:

- Is a market where buyers and sellers deal in units of company stocks. **These stocks are called shares.**
- The Egyptian stock exchange allows citizens to invest in any market sector **For example in food, clothing, or petroleum.**
- Smart investors will research multiple companies before deciding which company to invest in.
- They analyze markets to see which companies' stocks go up or down.
- They will also be checking to see the products or services offered, to see if it's a good fit for them personally.

In traditional settings, an investor will have a broker

A broker is a person who handles the buying and selling of shares.

Electronic financial trading (e-trading)

- Made the process of **buying** and **selling** shares more **efficient**
- Provides the **investor** with more **authority**.
- With the spread of the internet, **electronic trading platforms** are now **common place**.
- Allows the **investor** to make **trades** on their **own** through **websites** or **applications**.

- E-trading allows more independence and user-friendly options. These include robo-advisors (online applications that provide financial guidance and services).
- Provides access to many more people who might not be able to invest.
- It is also easier for different companies to trade with one another faster, no matter where they are located.

Lesson 6 CLOUD STORAGE OF FILES

- Cloud computing is the on-demand storing, and accessing, of data and programs via remote servers on the internet.
- Cloud computing enables users to access files and data easily and conveniently from anywhere and at any time.

Ex: Microsoft 365 with its application OneDrive™, and Google with its application Google Drive™

Remote servers connect users who are not on the local area network (LAN) to access and manage data, files, and applications via the internet.

Advantages of cloud computing	Disadvantages of cloud computing
<ul style="list-style-type: none"> • It frees up space on your devices by using cloud storage services. • It allows you to log in and access your files from multiple devices, as long as you have internet service. 	<ul style="list-style-type: none"> • It requires you to have an internet connection. If you lose your internet connection, you won't be able to access files that are only stored in the cloud. • Cloud storage is often a fee-based service. If you want to

- It provides a **backup** for your files.
- It provides an extra layer of **security** by offering **password protected data storage** and **data encryption**.
- It allows you to directly **share files** with authorized users.

store files, you will need to **pay a fee** - the **more storage** you require, the **higher** the **fee** you will **pay**.

- If the cloud service you are using is a **victim** of a **data breach**, you may become a victim as well, as your information may be **compromised**. However, while there is a **small risk**, cloud services are overall **extremely safe** and **secure**.

- **Data encryption** converts data into a code to prevent unauthorized user access.
- **A data breach** occurs when unauthorized parties gain access to confidential data and information.

Storing files in the cloud

- Having a **document management system** allows you to organize your documents so it is quick and easy to find them.
- Create **separate folders** for **different types** of **data** like **photos**, **videos**, **audio** files, and **documents**.
- Separate **school and personal information**.
- **Label folders and subfolders clearly**, so it's easy to find what you are looking for.

Strong password

- Create **strong passwords for files**.
- Be sure to use a **strong password for any account** you have on a cloud storage platform, including **Multi-factor Authentication (MFA)** for additional security.
- All the large and reputable cloud storage services offer MFA.

Lesson 7 CLOUD COMPUTING APPLICATIONS

Microsoft 365 and **Google Workspace** are the most popular software that deal with cloud computing applications. Both platforms include **productivity apps and storage**.

Microsoft 365 offers a whole suite of productivity apps such as: **Microsoft Teams, Word, Excel, PowerPoint, email, Outlook** **Microsoft 365 storage application OneDrive**. In summary, this platform provides everything you need.

Microsoft Word: It opens up a new blank document that allows you to draft ideas, a story, or an assignment.

PowerPoint: Help you to **create a presentation** and share your work with friends.

OneDrive: Allows you to **store, share, and access files from any device**. It's very user friendly.

- You **upload your files** and then click on the **Share** option to share with others.
- You can decide what **level of access** each person you share with gets - whether it's for **viewing purposes only**, or **editing**.

How to upload files or folders to OneDrive

1. In **Chrome**, sign in the **Microsoft Office**. Select **OneDrive**.
2. Select **Upload** > **Files** or **Upload** > **Folder**.
3. Select the **files** or **folder** you want to upload.
4. Select **Open** or Select **Folder**.

How to save a file to OneDrive

1. Select **File** > **Save a Copy** > **OneDrive - Personal/Company**.
2. Select **Enter file name here** and type a **name**.
3. Select **Save**.
4. You will then see the file in your OneDrive, the next time you open the Office app.